

Price: 25 cents

RCA INTERCHANGEABILITY DIRECTORY



OF
INDUSTRIAL-TYPE ELECTRON TUBES



RADIO CORPORATION OF AMERICA • ELECTRON TUBE DIVISION • HARRISON, N. J.

RCA Interchangeability Directory

This Interchangeability Directory of industrial electron tubes has been prepared to assist distributors, dealers, servicemen, broadcast stations, and individual users in selecting the proper RCA tube type as a replacement.

Listing more than 2700 type designations, this Directory covers Vacuum Power Tubes, Vacuum and Gas Rectifiers, Thyratrons, Ignitrons, Magnetrons, Cold-Cathode (Glow-Discharge) Tubes, Phototubes, Oscillograph Tubes, Camera Tubes, and Receiving-Type Tubes for Industry and Communications.

In using this Directory, note that the basic type designations of different manufacturers may have been assigned according to different systems. Some basic designations consist only of a number; others consist of a combination of letters and digits. In either case, the basic designation may or may not have a prefix composed of one or more letters, such as EL, GL, WL, WT, F, ML, UE, etc., which indicates the particular manufacturer. In certain cases, this prefix becomes an essential part of the type designation when as sometimes happens, two or more manufacturers utilize the same basic designation for different tube types.

Identifying information about the **Type To Be Replaced** including the manufacturer's prefix, if any, the basic type designation in bold face, symbol to designate the manufacturer, and symbol to indicate class of tube is charted in the first four columns. The next two columns show the **RCA Direct Replacement Type**, or the RCA Similar Type, respectively, when one or the other is available.

Basic designations shown in Column 2 of the tabulation are listed in numerical-alphabetical sequence. Those starting with a digit are given first; those starting with a letter appear at the end of the tabulation.

How to Use

1. Look in Column 2 for basic designation of type to be replaced.

2. If type to be replaced has a prefix, look for that prefix in Column 1.

For example: If type FG-17 is to be replaced, find the basic designation 17 in Column 2 and the prefix FG in Column 1.

For example: If type WT-T-106 is to be replaced, find the basic designation T-106 in Column 2 and the prefix WT in Column 1.

3. Consult Column 5 for corresponding **RCA Direct Replacement Type**.

4. If no Direct RCA Replacement Type is shown, consult Column 6 for RCA Similar Type. Such a type usually is not directly interchangeable with the type to be replaced because of mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. Tube data should, therefore, be checked before replacing a Type To Be Replaced in Column 2 with a Similar RCA Type in Column 6.

KEY TO SYMBOLS IN COLUMN 3

A = Amperex Electronic Corp.
BEN = Bendix Aviation Corp.
BO = Bomac Laboratories, Inc.
CH = Chatham Electronics Division
CE = Continental Electric Co. (Cetron)
D = A. B. Dumont Laboratories, Inc.
EE = Electronic Enterprises, Inc.
EM = Eitel-McCullough, Inc. (Eimac)
EL = Electrons, Inc.
F = Federal Telephone and Radio Co.
GE = General Electric Co.

GES = General Electronics Co.
GS = General Scientific Corp.
HK = Heinz and Kaufman
HY = CBS-Hytron
IH = Induction Heating Corp.
KU = Kuthe Laboratories
ML = Machlett Laboratories, Inc.
NAP = Philips Electron Tube Division
NL = National Electronics, Inc.
NU = National Union Electric Corp.
PL = Penta Laboratories, Inc.

R = Rauland Corporation
RK = Raytheon Manufacturing Co.
ROG = Rogers Electronic Tubes
S = Sylvania Electric Products, Inc.
STC = Standard Telephone and Cables
T = Taylor Tubes, Inc.
TS = Tung-Sol Electric, Inc.
UE = United Electronics Co.
WE = Western Electric Co.
WL = Westinghouse Electric Corp.
WT = Weltronic Co.

KEY TO SYMBOLS IN COLUMN 4

CM = Camera Tube or Monoscope
CR = Cathode-Ray Tube
G = Glow Tube
GA = Gauge Tube
K = Klystron
I = Ignitron

IC = Image-Converter Tube
M = Magnetron
P = Phototube
PC = Photoconductive Cell
PJ = Photojunction Cell
R = Rectifier

RT = Receiving Tube
RIT = Receiving-Type Industrial Tube
ST = Storage Tube
T = Thyatron
TW = Traveling-Wave Tube
VPT = Vacuum Power Tube

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	0A2	RCA	G	0A2	
	0A2	A	G	0A2	
	0A2	CH	G	0A2	
	0A2	GE	G	0A2	
	0A2	HY	G	0A2	
	0A2	NU	G	0A2	
	0A2	S	G	0A2	
	0A2	TS	G	0A2	
	0A2-WA	RCA	G	0A2-WA	
	0A2-WA	HY	G	0A2-WA	
	0A2-WA	RK	G	0A2-WA	
	0A2-WA	S	G	0A2-WA	
	0A3	RCA	G	0A3	
	0A3	GE	G	0A3	
	0A3	HY	G	0A3	
GL	0A3	S	G	0A3	
	0A3	TS	G	0A3	
	0A3	WL	G	0A3	
	0A3/	GE	G	0A3	
	0A3/	RK	G	0A3	
WL	0A3/	S	G	0A3	
	0A3/	TS	G	0A3	
	0A3/	WL	G	0A3	
	0A3/	GE	G	0A3	
	0A3/	RK	G	0A3	
GL	0A4-G	RCA	G	0A4-G	
	0A4-G	GE	G	0A4-G	
	0A4-G	HY	G	0A4-G	
	0A4-G	NU	G	0A4-G	
	0A4-G	RK	G	0A4-G	
GL	0A4-G	S	G	0A4-G	
	0B2	RCA	G	0B2	
	0B2	CH	G	0B2	
	0B2	GE	G	0B2	
	0B2	HY	G	0B2	
GL	0B2	NU	G	0B2	
	0B2	RK	G	0B2	
	0B2	S	G	0B2	
	0B2	TS	G	0B2	
	0B2-WA	RCA	G	0B2-WA	
GL	0B2-WA	HY	G	0B2-WA	
	0B2-WA	RK	G	0B2-WA	
	0B2-WA	S	G	0B2-WA	
	0B3	HY	G	0B3	
	0B3	S	G	0B3	
GL	0B3/	GE	G	0B3	
	0B3/	RCA	G	0C2	
	0C2	TS	G	0C2	
	0C3	RCA	G	0C3	
	0C3	GE	G	0C3	
GL	0C3	HY	G	0C3	
	0C3	NU	G	0C3	
	0C3	S	G	0C3	
	0C3	TS	G	0C3	
	0C3	WL	G	0C3	
GL	0C3/	GE	G	0C3	
	0C3/	RK	G	0C3	
	0C3/	WL	G	0C3	
	0C3-W	CH	G	0C3	
	0D3	RCA	G	0D3	0C3

1	2	3	4	5	6	
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†	
Mfr. Prefix	Basic Designa- tion	Mfr.	Tube Class			
GL	0D3	GE	G	0D3		
	0D3	HY	G	0D3		
	0D3	NU	G	0D3		
GL	0D3	S	G	0D3		
	0D3	TS	G	0D3		
	0D3/ VR150	GE	G	0D3		
WL	0D3/ VR150	RK	G	0D3		
	0D3/ VR150	WL	G	0D3		
	0D3W	TS	G			
CE	1A/B	HY	P			0D3
CE	1A/B	CE	P			918
CE	1C	HY	P	918		918
	1C21	RCA	G	1C21		
CE	1C21	HY	G	1C21		
	1D	CE	P	868		
	1DP1	NU	CR			
NU	1EP1	RCA	CR	1EP1		
	1EP1	NU	CR	1EP1		
	1EP2	RCA	CR	1EP2		
GL	1EP11	RCA	CR	1EP11		
	1L4	RCA	RIT	1L4		
	1L4	GE	RIT	1L4		
GL	1L4	HY	RIT	1L4		
	1L4	RK	RIT	1L4		
	1L4	S	RIT	1L4		
GL	1L4	TS	RIT	1L4		
	1P21	RCA	P	1P21		
	1P21	GE	P	1P21		
GL	1P21	TS	P	1P21		
	1P21	WL	P	1P21		
	1P22	RCA	P	1P22		
GL	1P23	GE	P	868		
	1P28	RCA	P	1P28		
	1P29	RCA	P	1P29		
WL	1P29	WL	P	1P29		
GL	1P29/ FJ-401	GE	P	1P29		
CE	1P32	CE	P	927		
	1P32	HY	P	927		
	1P37	RCA	P	1P37		
GL	1P37	GE	P	1P37		
	1P37	CE	P	1P37		
	1P37	HY	P	1P37		
CE	1P39	RCA	P	1P39		
	1P39	CE	P	1P39		
	1P39	GE	P	1P39		
GL	1P39	HY	P	1P39		
	1P39	S	P	1P39		
	1P40	RCA	P	1P40		
CE	1P40	CE	P	1P40		
	1P40	GE	P	1P40		
	1P40	HY	P	1P40		
CE	1P41	RCA	P	1P41		
	1P41	CE	P	1P41		
	1P41	HY	P	1P41		
CE	1P42	RCA	P	1P42		
	1V-A/B	CE	P		917, 919	
	1V-A/B	HY	P		917, 919	
CE	2-1500	EM	R		8020	
	2A/B	HY	P		6953	
	2AP1	RCA	CR	2AP1-A		

RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	2E24	GE	VPT	2E24	2E24
	2E24	HY	VPT	2E24	
	2E24	RK	VPT	2E24	
	2E24	S	VPT	2E24	
	2E25	HY	VPT	2E24	
GL	2E26	RCA	VPT	2E26	5618 5618
	2E26	GE	VPT	2E26	
	2E26	HY	VPT	2E26	
	2E26	RK	VPT	2E26	
	2E26	S	VPT	2E26	
GL	2E30	GE	VPT		
	2E30	HY	VPT		
	2F21	RCA	CM	2F21	
GL	2H21	GE	VPT		
	2K26	RCA	K	2K26	
CE	2K26	RK	K	2K26	
	2K26	WE	K	2K26	
	2V	CE	P		
GL	2X2/879	RCA	R	2X2-A	
	2X2/879	GE	R	2X2-A	
	2X2/879	S	R	2X2-A	
	2X2/879	TS	R	2X2-A	
	2X2-A	RCA	R	2X2-A	
	2X2-A	GE	R	2X2-A	
	2X2-A	HY	R	2X2-A	
	2X2-A	NU	R	2X2-A	
	2X2-A	RK	R	2X2-A	
	2X2-A	S	R	2X2-A	
	2X2-A	TS	R	2X2-A	
	3-25A3	EM	VPT		809
	3-50A4	EM	VPT		811-A
	3-50G2	EM	VPT	834	
	3-75A3	EM	VPT		8005
	3-100A	EM	VPT		810
	3-250A4	EM	VPT		806
	3-450A4	EM	VPT		833-A
	3-1000A2	EM	VPT		8000
	3-1000A4	EM	VPT		810
	3A4	RCA	VPT	3A4	
	3A4	HY	VPT	3A4	
	3A4	NU	VPT	3A4	
	3A4	RK	VPT	3A4	
	3A4	S	VPT	3A4	
	3A4	TS	VPT	3A4	
	3A5	RCA	VPT	3A5	
	3A5	HY	VPT	3A5	
	3A5	RK	VPT	3A5	
	3A5	S	VPT	3A5	
	3A5	TS	VPT	3A5	
	3AP1	RCA	CR	3AP1-A	
	3AP1	D	CR	3AP1-A	
	3AP1	S	CR	3AP1-A	
	3AP1-A	RCA	CR	3AP1-A	
	3AP1-A	D	CR	3AP1-A	
	3AP1-A	GE	CR	3AP1-A	
	3AP1-A	S	CR	3AP1-A	
	3BP1	RCA	CR	3BP1-A	
	3BP1	D	CR	3BP1-A	
	3BP1	S	CR	3BP1-A	
	3BP1-A	RCA	CR	3BP1-A	
	3BP1-A	GE	CR	3BP1-A	
	3BP1-A	HY	CR	3BP1-A	
	3BP1-A	S	CR	3BP1-A	
	3B25	RCA	R	3B25	
	3B25	HY	R	3B25	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
DR	3B27	EE	R		836
	3B27	GES	R		836
	3B28	RCA	R	3B28	
	3B28	A	R	3B28	
	3B28	CE	R	3B28	
AX	3B28	CH	R	3B28	
	3B28	HY	R	3B28	
	3B28	S	R	3B28	
	3B28	TS	R	3B28	
	3B28	UE	R	3B28	
EL	3B29	GES	R		838
	3C/4B24	EL	R		
	3C21	A	VPT		
	3C22	GE	VPT		
	3C23	RCA	T	3C23	
GL	3C23	CE	T	3C23	
	3C23	CH	T	3C23	
	3C23	GE	T	3C23	
	3C23	HY	T	3C23	
	3C23	NL	T	3C23	
	3C23	UE	T	3C23	
	3C23	WL	T	3C23	
	3C24	EM	VPT		1623
	3C33	RCA	VPT	3C33	
	3C45	RCA	T	6130/ 3C45	
	3C45	BO	T	6130/ 3C45	
	3C45	KU	T	6130/ 3C45	
	3CX100A5	EM	VPT		2C39-A
	3D22	RCA	T	3D22-A	
	3D22	NU	T	3D22-A	
	3D22-A	RCA	T	3D22-A	
	3E22	RCA	VPT	3E22	
	3E29	RCA	VPT	3E29	
	3E29	HY	VPT	3E29	
	3E29	NU	VPT	3E29	
	3E29	S	VPT	3E29	
	3JP1	RCA	CR	3JP1	
	3JP1	D	CR	3JP1	
	3JP1	S	CR	3JP1	
	3JP1	TS	CR	3JP1	
	3JP7	RCA	CR	3JP7	
	3JP7	D	CR	3JP7	
	3JP7	S	CR	3JP7	
	3KP1	RCA	CR	3KP1	
	3KP1	GE	CR	3KP1	
	3KP1	S	CR	3KP1	
	3KP4	RCA	CR	3KP4	
	3KP4	RK	CR	3KP4	
	3KP7	RCA	CR	3KP7	
	3KP11	RCA	CR	3KP11	
	3KP16	RCA	CR	3KP16	
	3RP1	RCA	CR	3RP1	
	3RP1	S	CR	3RP1	
	3RP1-A	RCA	CR	3RP1-A	
	3RP1-A	D	CR	3RP1-A	
	3RP4	RCA	CR		
	3RP4	S	CR		
	3WP1	RCA	CR	3WP1	
	3WP2	RCA	CR	3WP2	
	3WP11	RCA	CR	3WP11	
	3X100A5	EM	VPT	2C39-A	
	3X100A11	EM	VPT	2C39-A	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
F	3X2500A3	EM	VPT		5762/ 7C24
	3X2500A3	F	VPT		5762/ 7C24
	4-65A	RCA	VPT	4-65A	
	4-65A	EM	VPT	4-65A	
	4-125A	EM	VPT	4-125A/ 4D21	
ML	4-125A	ML	VPT	4-125A/ 4D21	
	4-125A/4D21	RCA	VPT	4-125A/ 4D21	
	4-125A/4D21	A	VPT	4-125A/ 4D21	
	4-125A/4D21	GE	VPT	4-125A/ 4D21	
	4-125A/4D21				
AX	4-125A/4D21	A	VPT	6155/ 4-125A	
GL	4-125A/6155	GE	VPT	6155/ 4-125A	
GL	4-125A/6155	RCA	VPT	4-250A/ 5D22	
	4-250A	EM	VPT	4-250A/ 5D22	
	4-250A	ML	VPT	4-250A/ 5D22	
	4-250A/5D22	RCA	VPT	4-250A/ 5D22	
	4-250A/5D22	A	VPT	4-250A/ 5D22	
AX	4-250A/5D22	A	VPT	4-250A/ 5D22	
GL	4-250A/5D22	GE	VPT	4-250A/ 5D22	
WL	4-250A/5D22	WL	VPT	4-250A/ 5D22	
AX	4-250A/6156	A	VPT	6156/ 4-250A	
	4-400A	EM	VPT		930, 1P40
	4-750A	EM	VPT		930, 1P40
	4-1000A	RCA	VPT	4-1000A	
	4-1000A	EM	VPT	4-1000A	
	4-1000A	GE	VPT	4-1000A	
GL	4-1000A	WL	VPT	4-1000A	
	4(A-D)	HY	P		
	4(A-D)	CE	P		
	4B22	UE	R		
	4B32	A	R		872-A
GL	4B32	UE	R		872-A
	4C21	GE	VPT		8005
	4C22	A	VPT		8005
	4C25	HK	VPT		808
	4C33	RCA	VPT	4C33	
	4CX250B	RCA	VPT	4CX250B	
	4CX250B	A	VPT	4CX250B	
	4CX250B	EM	VPT	4CX250B	
	4CX300A	A	VPT		
	4CX300A	EM	VPT		
	4CX1000A	EM	VPT		
	4CX5000A	EM	VPT		
	4D21	EM	VPT		
	4D21	RK	VPT	4-125A/ 4D21	
	4D21	PL	VPT	4-125A/ 4D21	
GL	4D21	UE	VPT	4-125A/ 4D21	
	4D21/4-125A	GE	VPT	4-125A/ 4D21	
	4D21/4-125A	WL	VPT	4-125A/ 4D21	
	4D21/4-125A				
	4D21/4-125A				

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
PL	4D21-A	PL	VPT		4-125A/ 4D21
	4D23	RK	VPT		4-125A/ 4D21
	4E27/ 8001	RCA	VPT	4E27/ 8001	
	4E27A/ 5-125B	RCA	VPT	4E27A/ 5-125B	
	4E27A/ 5-125B	EM	VPT	4E27A/ 5-125B	
	4X100A	EM	VPT	4X150A	
	4X150A	RCA	VPT	4X150A	
	4X150A	A	VPT	4X150A	
GL	4X150A	EM	VPT	4X150A	
	4X150A	GE	VPT	4X150A	
	4X150A	HY	VPT	4X150A	
	4X150A	S	VPT	4X150A	
WL	4X150A	WL	VPT	4X150A	
	4X150D	RCA	VPT	4X150D	
	4X150D	EM	VPT	4X150D	
	4X150D	HY	VPT	4X150D	
	4X150G	EM	VPT	4X150D	
	4X250F	RCA	VPT	7204/ 4X250F	4X150A
	4X250F	EM	VPT	7204/ 4X250F	
	4X500A	RCA	VPT	4X500A	
	4X500A	EM	VPT	4X500A	
	4X500A	WL	VPT	4X500A	
	5	HY	P		927
	5(A-D)	CE	P		927
	5-125B	RCA	VPT	4E278/001	
	5ABP1	RCA	CR	5ABP1	
	5ABP1	RK	CR	5ABP1	
	5ABP4	RCA	CR	5ABP1	
	5ABP7	RCA	CR	5ABP7	
	5ABP7	RK	CR	5ABP7	
	5ABP11	RCA	CR	5ABP11	
	5ABP11	RK	CR	5ABP11	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
	5ADP1	RCA	CR	5ADP1	
	5ADP1	D	CR	5ADP1	
	5ADP7	D	CR	5ADP1	
	5ADP11	D	CR	5ADP1	
	5AHP7	RCA	CR	5AHP7,	5ABP7
				5AHP7-A	5ABP11
	5AHP7	D	CR	5AHP7,	
				5AHP7-A	
	5AHP7	GE	CR	5AHP7,	
				5AHP7-A	
	5AHP7	RK	CR	5AHP7,	
				5AHP7-A	
	5AHP7	S	CR	5AHP7,	
				5AHP7-A	
	5AHP7-A	RCA	CR	5AHP7-A	
	5AHP7-A	D	CR	5AHP7-A	
	5AHP7-A	GE	CR	5AHP7-A	
	5AHP7-A	RK	CR	5AHP7-A	
	5AHP7-A	S	CR	5AHP7-A	
	5AHP14-A	GE	CR	5AHP7-A	
	5AUP24	RCA	CR	5AUP24	
	5AUP24	GE	CR	5AUP24	
	5AXP4	S	CR	5AUP24	
	5AYP4	RCA	CR	5AYP4	
	5AZP4	RCA	CR	5AZP4	
	5AZP4	HY	CR	5AZP4	
EL	5BHD/ 4B23	EL	R		
	5BP1	RCA	CR	5BP1-A	
	5BP1-A	RCA	CR	5BP1-A	
GL	5BP1-A	D	CR	5BP1-A	
	5BP1-A	GE	CR	5BP1-A	
	5BP1-A	S	CR	5BP1-A	
EL	5BS/ 4B22	EL	R		
GL	5C21/ C6J	GE	T	C6J/ 5C21	
	5C22	A	T		

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
	5C22	BO	T		
	5C22	S	T		
	5C22-A	S	T		
GL	5C24	GE	VPT		8000
	5CP1	RCA	CR	5CP1-A	
	5CP1	D	CR	5CP1-A	
	5CP1	TS	CR	5CP1-A	
	5CP1-A	RCA	CR	5CP1-A	
	5CP1-A	D	CR	5CP1-A	
GL	5CP1-A	GE	CR	5CP1-A	
	5CP1-A	S	CR	5CP1-A	
	5CP1-A	TS	CR	5CP1-A	
	5CP7	RCA	CR	5CP7-A	
	5CP7-A	RCA	CR	5CP7-A	
	5CP7-A	D	CR	5CP7-A	
	5CP7-A	GE	CR	5CP7-A	
	5CP7-A	S	CR	5CP7-A	
	5CP7-A	TS	CR	5CP7-A	
	5CP11-A	RCA	CR	5CP11-A	
	5CP11-A	D	CR	5CP11-A	
	5CP11-A	S	CR	5CP11-A	
	5CP12	RCA	CR	5CP12	
	5CP12	S	CR	5CP12	
	5CP12	TS	CR	5CP12	
	5D22	UE	VPT	4-250A/ 5D22	
PL	5D22	PL	VPT	4-250A/ 5D22	
WL	5D22	WL	VPT	4-250A/ 5D22	
	5D22/ RK-65	RK	VPT		
	5D24	F	VPT		4-250A/ 5D22
	5FP4-A	RCA	CR	5FP4-A	
	5FP4-A	HY	CR	5FP4-A	
	5FP7-A	RCA	CR	5FP7-A	
	5FP7-A	GE	CR	5FP7-A	
	5FP7-A	RK	CR	5FP7-A	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

KEY TO SYMBOLS IN COLUMN 3

A = Ampere Electronic Corp.
 BEN = Bendix Aviation Corp.
 BO = Bomac Laboratories, Inc.
 CH = Chatham Electronics Division
 CE = Continental Electric Co. (Cetron)
 D = A. B. Dumont Laboratories, Inc.
 EE = Electronic Enterprises, Inc.
 EM = Eitel-McCullough, Inc. (Eimac)
 EL = Electrons, Inc.
 F = Federal Telephone and Radio Co.
 GE = General Electric Co.

GES = General Electronics Co.
 GS = General Scientific Corp.
 HK = Heinz and Kaufman
 HY = CBS-Hytron
 IH = Induction Heating Corp.
 KU = Kuthe Laboratories
 ML = Machlett Laboratories, Inc.
 NAP = Philips Electron Tube Division
 NL = National Electronics, Inc.
 NU = National Union Electric Corp.
 PL = Penta Laboratories, Inc.

R = Rauland Corporation
 RK = Raytheon Manufacturing Co.
 ROG = Rogers Electronic Tubes
 S = Sylvania Electric Products, Inc.
 STC = Standard Telephone and Cables
 T = Taylor Tubes, Inc.
 TS = Tung-Sol Electric, Inc.
 UE = United Electronics Co.
 WE = Western Electric Co.
 WL = Westinghouse Electric Corp.
 WT = Weltronic Co.

KEY TO SYMBOLS IN COLUMN 4

CM = Camera Tube or Monoscope
 CR = Cathode-Ray Tube
 G = Glow Tube
 GA = Gauge Tube
 K = Klystron
 I = Ignitron

IC = Image-Converter Tube
 M = Magnetron
 P = Phototube
 PC = Photoconductive Cell
 PJ = Photojunction Cell
 R = Rectifier

RT = Receiving Tube
 RIT = Receiving-Type Industrial Tube
 ST = Storage Tube
 T = Thyatron
 TW = Traveling-Wave Tube
 VPT = Vacuum Power Tube

RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†	Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†	Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class			Mfr. Prefix	Basic Designation	Mfr.	Tube Class			Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	5FP7-A	S	CR	5FP7-A		GL	6AS7-G	CH	RIT	6AS7-G		GL	7CP4	RCA	CR		
	5FP7-A	TS	CR	5FP7-A			6AS7-G	GE	RIT	6AS7-G			7CP4	HY	CR		
	5FP14	RCA	CR	5FP14-A			6AS7-G	HY	RIT	6AS7-G			7CP4	RK	CR		
	5FP14	GE	CR	5FP14-A			6AS7-G	RK	RIT	6AS7-G			7CP4	S	CR		
	5FP14	S	CR	5FP14-A			6AS7-G	S	RIT	6AS7-G			7D21	GE	VPT		
	5FP14						6AS7-G			6AS7-G			7D29	GE	VPT		
	5FP14-A	TS	CR	5FP14-A			6AS7-G	TS	RIT	6AS7-G			7JP1	S	CR	7VP1	
	5FP14-A	RCA	CR	5FP14-A			6AU6-WA	RCA	RIT	6AU6-WA			7JP7	GE	CR		
	5FP14-A	D	CR	5FP14-A			6AU6-WA	GE	RIT	6AU6-WA			7MP7	RCA	CR	7MP7	
	5FP14-A	GE	CR	5FP14-A			6AU6-WA	HY	RIT	6AU6-WA			7MP7	RK	CR		
GL	5FP15-A	RCA	CR	5FP15-A		EL	6AU6-WA	TS	RIT	6AU6-WA		GL	7NP4	RCA	CR	7NP4	
	5FP25	GE	CR				6B	EL	R		5561		7NP4	HY	CR	7NP4	
	5HP1-A	D	CR				6BA6-W	RCA	RIT	5749/6BA6-W			7Q4	RCA	CR	7Q4	
	5R4-GY	RCA	R	5R4-GY			6C	EL	R				7Q4	HY	CR	7Q4	
	5R4-GY	GE	R	5R4-GY			6C24	RCA	VPT		5786		7TP4	RCA	CR	7TP4	
	5R4-GY	HY	R	5R4-GY		ML	6C24	ML	VPT		5786	GL	7TP4	HY	CR	7TP4	
	5R4-GY	NU	R	5R4-GY			6D22	RK	VPT		4X500A		7VP1	RCA	CR	7VP1	
	5R4-GY	RK	R	5R4-GY			6F4	RCA	VPT	6F4			7VP1	GE	CR	7VP1	
	5R4-GY	S	R	5R4-GY			6F4	S	VPT	6F4			7WP4	RCA	CR	7WP4	
	5R4-GY	TS	R	5R4-GY			6J4	RCA	VPT	6J4			7WP4	HY	CR	7WP4	
	5R4-GYB	RCA	R	5R4-GYB			6J4	GE	VPT	6J4		PJ	8	GE	VPT	5556	
	5TP4	RCA	CR	5TP4			6J4	HY	VPT	6J4			8	RK	VPT		800
	5UP1	RCA	CR	5UP1			6J4	RK	VPT	6J4			8D21	RCA	VPT	8D21	
	5UP1	GE	CR	5UP1			6J4	S	VPT	6J4			8D21	GE	VPT	8D21	
	5UP1	S	CR	5UP1			6J4-WA	RCA	RIT	6J4-WA			8HP4	RCA	CR	8HP4	
WT	5UP7	RCA	CR	5UP7			6J4-WA	S	RIT	6J4-WA			9	GS	P	868	
	5UP7	GE	CR	5UP7			6J6-A	RCA	RIT	6J6-A			9C21	RCA	VPT	9C21	
	5UP7	S	CR	5UP7			6J6-WA	RCA	RIT	6J6-WA			9C21	A	VPT	9C21	
	5UP11	RCA	CR	5UP11			6J6-WA	RK	RIT	6J6-WA			9C21	GE	VPT	9C21	
	5UP11	S	CR	5UP11			6L4	RCA	VPT	6L4			9C21	ML	VPT	9C21	
	5WP11	RCA	CR	5WP11			6L4	S	VPT	6L4		F	9C22	RCA	VPT	9C22	
	5WP15	RCA	CR	5WP15			6Q5-G	D	T	884			9C22	A	VPT	9C22	
	5WP15	S	CR	5WP15			6SJ7-Y	RCA	RIT	6SJ7-Y			9C22	GE	VPT	9C22	
	5ZP16	RCA	CR	5ZP16			6SJ7-Y	GE	RIT	6SJ7-Y			9C22	ML	VPT	9C22	
	6	WT	RT	6L6			6SJ7-WGT	S	RIT	6SJ7-WGT	5693		9C23	F	VPT		
GL	6AC7-Y	RCA	RIT	6AC7-Y			6SK7-W	RCA	RIT	6SK7-W		GE	9C24	GE	VPT		
	6AC7-Y	RCA	RIT	6AC7-Y			6SK7-WA	GE	RIT				9C25	RCA	VPT	9C25	
	6AC7-Y			6AC7-Y			6SL7-WGT	S	RIT		5691		9C25	ML	VPT	9C25	
	6AK5-W	GE	RIT	6AK5-W			6SN7-GTY	RCA	RIT	6SN7-GTY			9C29	F	VPT		
	6AK5-W	S	RIT	6AK5-W			6X5-WGT	S	RIT				9C30	F	VPT		
	6AK5-W	RK	RIT	6AK5-W		GL	7BP7	RCA	CR	7BP7-A		ML	10KP7	RCA	CR	10KP7	
	6AK6	RCA	RIT	6AK6			7BP7	D	CR	7BP7-A			10KP7	GE	CR	10KP7	
	6AK6	GE	RIT	6AK6			7BP7-A	RCA	CR	7BP7-A			10KP7	S	CR	10KP7	
	6AK6	HY	RIT	6AK6			7BP7-A	GE	CR	7BP7-A			10KP7	TS	CR	10KP7	
	6AK6	R	RIT	6AK6			7BP7-A	S	CR	7BP7-A			10SP4	RCA	CR	10SP4	
	6AK6	S	RIT	6AK6			7C23	F	VPT				10SP4	GE	CR	10SP4	
	6AK6	TS	RIT	6AK6			7C24	RCA	VPT	5762/7C24			10SP4	HY	CR	10SP4	
	6AK6-WA	NU	RIT	6AK6			7C24	ML	VPT	5762/7C24			10SP4	S	CR	10SP4	
	6AN5-WA	RK	RIT	6AK6			7C25	F	VPT	5762/7C24			10SP4	RCA	CR	10SP4	
	6AQ5-W	GE	RIT	6AS6		F	7C25	F	VPT	5762/7C24		BW	11	UE	VPT	834	
	6AQ5-W	S	RIT	6AS6			7C26	F	VPT		5762/7C24		11	RK	VPT	1623	
	6AR6	WE	RT	6AS6			7C27	F	VPT				11V(A-B)	CE	P		917
	6AS6	RCA	RIT	6AS6			7C30	F	VPT				11V-C	CE	P	917	
	6AS6	GE	RIT	6AS6			7CP1	RCA	CR				11V-C	HY	P	917	
	6AS6	HY	RIT	6AS6			7CP1	S	CR				11V-D	CE	P		917
	6AS6	RK	RIT	6AS6									12	UE	VPT		806
	6AS6	S	RIT	6AS6									12A6	RK	VPT	12A6	
	6AS6	WE	RIT	6AS6									12A6	RCA	VPT	12A6	
	6AS7-G	RCA	RIT	6AS7-G									12A6	GE	VPT	12A6	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
	12AT7-WA	RCA	RIT	12AT7-WA	
	12AT7-WA	HY	RIT	12AT7-WA	
	12AT7-WA	GE	RIT	12AT7-WA	
	12AT7-WA	S	RIT	12AT7-WA	
	12AT7-WA	TS	RIT	12AT7-WA	
	12AU7-WA	RCA	RIT	6189/ 12AU7-WA	
	12DP7	RCA	CR	12DP7-A	
	12DP7-A	RCA	CR	12DP7-A	
	12DP7-A	GE	CR	12DP7-A	
	12DP7-A	S	CR	12DP7-A	
	12DP7-B	RCA	CR	12DP7-A	
	12L8-GT	RCA	VPT	12L8-GT	
	12L8-GT	NU	VPT	12L8-GT	
	12L8-GT	TS	VPT	12L8-GT	
	12SW7	RCA	VPT	12SW7	
	12SX7-GT	RCA	VPT	12SX7-GT	
	12SX7-GT	RK	VPT	12SX7-GT	
	12SX7-GT	TS	VPT	12SX7-GT	
	12SY7	RCA	VPT	12SY7	
	12SY7	RK	VPT	12SY7	
	12SY7	TS	VPT	12SY7	
NL	14	NL	T		5557
G	14T	GS	P		920
G	15F	GS	P		927
	16ADP7	RCA	CR	16ADP7	
	16ADP7	RK	CR	16ADP7	
EL	16B	EL	R		
FG	17	A	T	5557	
FG	17	GE	T	5557	
DR	17	GES	R		5557
FG	17	NU	T	5557	
FG	17	T	T	5557	
TT	17	T	T		5557
WL	17	WL	T	5557	
	17	CH	T	5557	
G	17F	GS	P		1P41
HV	18	UE	VPT		810
FV	20	UE	VPT		8000
TV	20	T	VPT		810
T	20	T	VPT		1623
TZ	20	T	VPT		809
RK	20A	RK	VPT	804	
CE	20(C-D)	CE	P	927	
RK	21	RK	VPT		836
PJ	21	GE	VPT		5556
RX	21A	EM	R		872-A
CE	21A/B	CE	P		921
CE	21(C-D)	CE	P	920	
CE	21(C-D)	HY	P	920	
CE	22	HY	P		1P41
PJ	22	GE	P		917, 919
CE	22(A-D)	CE	P		1P41
KU	23	NU	VPT		810
RK	23	RK	VPT		802
KU	23	UE	VPT		810
PJ	23	GE	P	868	
CE	23A/B	CE	P		923
CE	23A/B	HY	P		923
CE	23(C-D)	CE	P	923	
CE	23(C-D)	HY	P	923	
RK	23A	RK	VPT		802
HK	24-G	HK	VPT		1623
	24-G	A	VPT		808

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
HY	24-G	GES	VPT		808
	25	HY	VPT		809
RK	25	RK	VPT	802	
CE	25A/B	CE	P		927
RK	25B	RK	VPT	802	
CE	25(C-D)	CE	P	927	
	25T	EM	VPT		809
	26A6	RCA	VPT	26A6	
	26A7-GT	RCA	VPT	26A7-GT	
	26A7-GT	HY	VPT	26A7-GT	
	26A7-GT	TS	VPT	26A7-GT	
	26C6	RCA	VPT	26C6	
	26C6	S	VPT	26C6	
	26D6	RCA	VPT	26D6	
	26D6	S	VPT	26D6	
RK	27	RK	VPT		806
FG	27A	GE	T		5559
RK	28	RK	VPT	803	
RK	28A	RK	VPT	803	
CE	28(A-D)	CE	P	928	
CE	29	CE	P	929	
CE	29Q	HY	P	5653	
CE	29R	HY	P	929	
RK	30	RK	VPT	800	
CE	30V-A/B	CE	P		925
CE	30V-A/B	HY	P		925
CE	30V(C-D)	CE	P	925	
CE	30V(C-D)	HY	P	925	
HY	30Z	HY	VPT		809
NU	30Z	NU	VPT		809
RK	31	RK	VPT		830-B
CE	31V-A/B	CE	P		919
CE	31V-A/B	HY	P		919
CE	31V(C-D)	CE	P	919	
CE	31V(C-D)	HY	P	919	
FG	32	CE	R	5558	
WL	32	WL	R	5558	
FG	33	GE	T		2C21/ 1642
RK	33	RK	VPT		
WL	33	WL	T		
CE	34	CE	P	934	
CE	34Q	HY	P		934
CE	34-R	HY	P	934	
GL	35T	GE	VPT		808
	35T	EM	VPT		811-A
	35TC	EM	VPT		808
RK	36	RK	VPT		806
CE	36(A-D)	CE	P		927
CE	36(A-D)	HY	P		927
RK	37	RK	VPT		808
RK	38	RK	VPT		810
RK	39	RK	VPT	807	
HY	40	HY	VPT		812-A
T	40	T	VPT		812-A
TZ	40	T	VPT		811-A
HY	40Z	HY	VPT		811-A
CE	41	CE	P	921	
WL	41	WL	T		807
RK	41	RK	VPT		
CE	42	CE	P	922	
KU	42	KU	T	6130/ 3C45	
RK	44	RK	VPT	837	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
RK	45	RK	VPT		837
RK	46	RK	VPT		804
RK	47	RK	VPT	814	
RK	48A	RK	VPT		813
UH	50	UE	VPT	834	
SR	50	WL	P		917
R	50A	R	P		1P41
	50T	T	VPT		8000
RK	51	RK	VPT		830-B
R	51A	R	P		927
HY	51B	HY	VPT		8005
R	51B	R	P		5583
R	51BV	R	P		929
	51T	T	VPT		8005
HY	51Z	HY	VPT		838
RK	52	RK	VPT		811-A
SR	53	WL	P		917
	53AWB	RK	P		927
CE	54	CE	P		808
HK	54	HK	VPT		8005
T	55	NU	VPT		8005
T	55	UE	VPT		8005
T	55	T	VPT		8005
HY	57	HY	VPT		812-A
FG	57	GE	T	5559	
WL	57	WL	T	5559	
RK	57	RK	VPT	805	
RK	58	RK	VPT	838	
CE	59	CE	P	5581	
R	59A	R	P		918
R	59B	P	P		1P37
R	59TAV	P	P		917
HF	60	A	VPT		8005
HY	60	HY	VPT		807
SK	60	WL	P		868
T	60	T	VPT		8005
R	60A	R	P		920
HY	61/807	HY	VPT	807	
R	61A	R	P		930
R	61AV	R	P		925
R	61B	R	P		5581
R	61BV	R	P		1P39
RK	63	RK	VPT		806
RK	64	RK	VPT		807
CE	64Q	HY	P		5583
CE	64R	CE	P	5583	
CE	64R	HY	P	5583	
RK	65	RK	VPT		4E27/ 8001
FG	67	GE	T	5728/ FG-67	
HY	69	HY	VPT		1624
V	70D		UE		8005
R	71A	R	P		930
R	71AV	R	P		925
KU	73	KU	T		
	75TH	EM	VPT		8005
	75TL	EM	VPT		3C23
FG	81A	GE	T		
WL	81A	WL	T		
	83	RCA	R	83	
GL	83	HY	R	83	
	83	GE	R	83	
	83	RK	R	83	
	83	S	R	83	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

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RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	242C	GE	VPT	884 2050	8005
WT	245	WT	T		
WT	246	WT	T		
	248A	WE	VPT		
	249A	WE	R	866-A 866-A 866-A 866-A	866-A
	249B	WE	R		866-A
	249B	T	R		866-A
	249C	WE	R		866-A
WE	250	A	VPT	8000	8000
HF	250R	EM	VPT		
	250T	EM	VPT		806
	250TH	EM	VPT		810
DR	250TH	GES	VPT	810 810 810	810
	250TH	A	VPT		810
	250TL	EM	VPT		806
	252	HK	R		217-C
HK	253	EM	R	810	217-C
HK	254	HK	VPT		810
	254B	WE	VPT		865
	255	A	T		
AX	255A	WE	R	869-B 869-B 869-B	869-B
HF	255B	A	R		869-B
	255B	WE	R		869-B
	257(B)	HK	VPT	4E27/ 8001 5553-B	
FG	258A	GE	I		
HF	258B	A	R		866-A
	258B	WE	R		866-A
	258B	T	R	866-A 860	866-A
	260A	WE	VPT		860
WT	261	WT	RT		
WT	262	WT	R		
WT	263	WT	R	6H6 866-A 84/6Z4	
	266B	F	R		857-B
	266B	WE	R		857-B
GL	266B	GE	R		857-B
	266C	WE	R	857-B 872-A	857-B
HF	267B	A	R		872-A

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
F	267B	F	R	872-A 872-A 801-A	
	267B	WE	R		
	268A	WE	PT		
	269	WT	G		
WT	270	WT	RT	0C3 80	
	270A	A	VPT		
HF	270A	RT	RT		
WT	270X	GE	I		5Z3 5551-A
FG	271	WE	VPT	5557	
	271A	WT	T		
WT	272	WT	T		
	274	WT	G		
WT	274A	WE	RIT	5R4-GY	5R4-GY
	274B	WE	RIT		
HF	279A	A	VPT		
	279A	WE	VPT		
	280	GE	R	8000 845 845 845	
FG	282A	T	VPT		
T	284A	WE	VPT		
	284B	WE	VPT		
	284D	WE	VPT	845 835 5557	
	284D	UE	VPT		
FP	285	GE	VPT		
WL	285	WL	VPT		
	287A	WE	T	0D3	
	289A	WE	R		
	294	WT	G		
WT	295A	WE	VPT		8005
DR	300	GES	VPT	806 806 806 806	806
HF	300	ML	VPT		806
HF	300	A	VPT		806
NU	300	NU	VPT		806
WT	301	WT	R	83	
CE	302	CE	R		
	(722-A)				
WE	301A	WE	R		83
UE	303A	UE	VPT	203-A 834	
	304A	WE	VPT		
	304A	UE	VPT		
	304A	UE	VPT		204-A

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WE	304B	WE	VPT	207	834
	304TH	EM	VPT		
CE	305	CE	T		3C23
	306	CE	T		676
CE	307A	F	VPT	6X5-GT 5557	807
F	307A	WE	VPT		
WT	308	WT	RT		
CE	309	CE	T		
	310	UE	VPT	3C23	801-A
WE	310A	WE	VPT		6C6
	310B	WE	VPT		1620
UE	311	UE	VPT		8005
CE	311	CE	T	8000 828 1C21 673 673	
UE	311CH	UE	VPT		
	312A	WE	VPT		
	313C	WE	G		
F	315A	F	R	217-C	673
	315A	WE	R		673
	315A	A	R		673
	315A	ML	R		673
ML	315A	ML	R	872-A	
UE	317C	UE	R		
F	318A	F	R		
ML	319A	ML	R		
	319A	F	R	872-A 872-A	
F	319A	WE	R		
	320B	F	VPT		
F	321A	WE	R		673
HF	321A	A	R	803	673
	321A	ML	R		673
ML	321A	ML	R		
	322A	WE	VPT		
UE	323B	UE	T	3C23 3C23 3C23	3C23
NL	323B	NE	T		3C23
	323B	CH	T		3C23
	327A	WE	VPT		810
	327B	WE	VPT	805	810
	328A	WE	RT		6C6
	331A	WE	VPT		

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

KEY TO SYMBOLS IN COLUMN 3

A = Amperex Electronic Corp.
 BEN = Bendix Aviation Corp.
 BO = Bomac Laboratories, Inc.
 CH = Chatham Electronics Division
 CE = Continental Electric Co. (Cetron)
 D = A. B. Dumont Laboratories, Inc.
 EE = Electronic Enterprises, Inc.
 EM = Eitel-McCullough, Inc. (Eimac)
 EL = Electrons, Inc.
 F = Federal Telephone and Radio Co.
 GE = General Electric Co.

GES = General Electronics Co.
 GS = General Scientific Corp.
 HK = Heinz and Kaufman
 HY = CBS-Hytron
 IH = Induction Heating Corp.
 KU = Kuthe Laboratories
 ML = Machlett Laboratories, Inc.
 NAP = Philips Electron Tube Division
 NL = National Electronics, Inc.
 NU = National Union Electric Corp.
 PL = Penta Laboratories, Inc.

R = Rauland Corporation
 RK = Raytheon Manufacturing Co.
 ROG = Rogers Electronic Tubes
 S = Sylvania Electric Products, Inc.
 STC = Standard Telephone and Cables
 T = Taylor Tubes, Inc.
 TS = Tung-Sol Electric, Inc.
 UE = United Electronics Co.
 WE = Western Electric Co.
 WL = Westinghouse Electric Corp.
 WT = Weltronic Co.

KEY TO SYMBOLS IN COLUMN 4

CM = Camera Tube or Monoscope
 CR = Cathode-Ray Tube
 G = Glow Tube
 GA = Gauge Tube
 K = Klystron
 I = Ignitron

IC = Image-Converter Tube
 M = Magnetron
 P = Phototube
 PC = Photoconductive Cell
 PJ = Photojunction Cell
 R = Rectifier

RT = Receiving Tube
 RIT = Receiving-Type Industrial Tube
 ST = Storage Tube
 T = Thyatron
 TW = Traveling-Wave Tube
 VPT = Vacuum Power Tube

RCA INTERCHANGEABILITY DIRECTORY

1 2 3 4 5 6						1 2 3 4 5 6						1 2 3 4 5 6					
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†	Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†	Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Design- ation	Mfr.	Tube Class			Mfr. Prefix	Basic Design- ation	Mfr.	Tube Class			Mfr. Prefix	Basic Design- ation	Mfr.	Tube Class		
DR	801-A	GES	VPT	801-A		WL	809	WL	VPT	809		WL	815	S	VPT	815	
	801-A	HY	VPT	801-A			810	RCA	VPT	810			815	WL	VPT	815	
	801-A	NU	VPT	801-A			810	A	VPT	810			816	RCA	R	816	
	801-A	S	VPT	801-A		GL	810	GE	VPT	810			816	A	R	816	
WL	801-A	WL	VPT	801-A								GL	816	GE	R	816	
	801-A/ 801	S	VPT	801-A													
	801-A/ 801	HY	VPT	801-A		DR	810	GES	VPT	810		DR	816	GES	R	816	
	802			802			810	HY	VPT	810			816	HY	R	816	
	802	RCA	VPT	802		ML	810	ML	VPT	810			816	NU	R	816	
	802	GE	VPT	802			810	NU	VPT	810		RK	816	RK	R	816	
DR	802	GES	VPT	802			810	S	VPT	810			816	S	R	816	
	802	HY	VPT	802								WL	816	WL	R	816	
	802			802		T	810	T	VPT	810		T	822	T	VPT	826	810
	802			802		UE	810	UE	VPT	810			826	RCA	VPT	826	
	802			802		WL	810	WL	VPT	810		GL	826	GE	VPT	826	
				802			811	RCA	VPT	811-A		DR	826	GES	VPT	826	
				802			811	A	VPT	811-A							
	802	NU	VPT	802		GL	811	GE	VPT	811-A			826	HY	VPT	826	
	802	WL	VPT	802		DR	811	GES	VPT	811-A		ML	826	ML	VPT	826	
	803	RCA	VPT	803			811	NU	VPT	811-A			826	NU	VPT	826	
	803	A	VPT	803			811	S	VPT	811-A		WL	826	WL	VPT	826	
GL	803	GE	VPT	803		WL	811	WL	VPT	811-A			827-R	RCA	VPT	827-R	
DR	803	GES	VPT	803													
	803	NU	VPT	803			811-A	RCA	VPT	811-A			828	RCA	VPT	828	
	803	T	VPT	803		GL	811-A	GE	VPT	811-A			828	A	VPT	828	
WL	803	WL	VPT	803		RK	811-A	HY	VPT	811-A		GL	828	GE	VPT	828	
	804	RCA	VPT	804			811-A	RK	VPT	811-A		DR	828	GES	VPT	828	
DR	804	GES	VPT	804				S	VPT	811-A		ML	828	ML	VPT	828	
	804	NU	VPT	804		WL	811-A	WL	VPT	811-A							
	804	S	VPT	804			812	RCA	VPT	812-A		WL	828	NU	VPT	828	
	805	RCA	VPT	805			812	A	VPT	812-A			828	WL	VPT	828	
	805	A	VPT	805		GL	812	GE	VPT	812-A			829	RCA	VPT	829-B	
				805		DR	812	GES	VPT	812-A			829-A	RCA	VPT	829-B	
GL	805	GE	VPT	805									829-B	RCA	VPT	829-B	
DR	805	GES	VPT	805			812	NU	VPT	812-A			829-B	A	VPT	829-B	
	805	HY	VPT	805			812	S	VPT	812-A		GL	829-B	GE	VPT	829-B	
ML	805	ML	VPT	805		WL	812	WL	VPT	812-A		DR	829-B	GES	VPT	829-B	
	805	NU	VPT	805		GL	812-A	RCA	VPT	812-A			829-B	HY	VPT	829-B	
				805			812-A	GE	VPT	812-A		ML	829-B	ML	VPT	829-B	
	805	S	VPT	805		RK	812-A	RK	VPT	812-A							
	805	T	VPT	805			812-A	S	VPT	812-A		RK	829-B	NU	VPT	829-B	
UE	805	UE	VPT	805			812-A	WL	VPT	812-A			829-B	RK	VPT	829-B	
WL	805	WL	VPT	805		WL	812-H	UE	VPT	812-A	8005		829-B	S	VPT	829-B	
	806	RCA	VPT	806			813	RCA	VPT	813			829-B	T	VPT	829-B	
				806								WL	829-B	WL	VPT	829-B	
	806	A	VPT	806			813	A	VPT	813							
GL	806	GE	VPT	806		GL	813	GE	VPT	813			830	UE	VPT	830-B	
DR	806	GES	VPT	806		DR	813	GES	VPT	813			830-B	RCA	VPT	830-B	
WL	806	WL	VPT	806			813	HY	VPT	813		GL	830-B	A	VPT	830-B	
	807	RCA	VPT	807		ML	813	ML	VPT	813			830-B	GE	VPT	830-B	
				807									830-B	NU	VPT	830-B	
	807	A	VPT	807			813	NU	VPT	813							
GL	807	GE	VPT	807			813	RK	VPT	813			830-B	T	VPT	830-B	
DR	807	GES	VPT	807		RK	813	RK	VPT	813		UE	830-B	UE	VPT	830-B	
	807	HY	VPT	807			813	S	VPT	813			832	RCA	VPT	832-A	
	807	NU	VPT	807			813	T	VPT	813			832-A	A	VPT	832-A	
				807		UE	813	UE	VPT	813			832-A	A	VPT	832-A	
RK	807	RK	VPT	807		WL	813	WL	VPT	813							
	807	S	VPT	807			814	RCA	VPT	814		GL	832-A	GE	VPT	832-A	
	807	TS	VPT	807		GL	814	GE	VPT	814		DR	832-A	GES	VPT	832-A	
WL	807	WL	VPT	807			814	GES	VPT	814			832-A	HY	VPT	832-A	
	808	RCA	VPT	808		DR	814	HY	VPT	814		ML	832-A	ML	VPT	832-A	
				808									832-A	NU	VPT	832-A	
EE	808	EE	VPT	808		ML	814	ML	VPT	814			832-A	RK	VPT	832-A	
DR	808	GES	VPT	808			814	NU	VPT	814		RK	832-A	S	VPT	832-A	
	808	NU	VPT	808			814	RK	VPT	814			832-A	T	VPT	832-A	
	808	S	VPT	808		RK	814	RK	VPT	814		WL	832-A	WL	VPT	832-A	
WL	808	WL	VPT	808			814/	WL	VPT	814			833	RCA	VPT	833-A	
				808		RK	814/	RK	VPT	814							
				808			RK47										
	809	RCA	VPT	809			815	RCA	VPT	815			833-A	RCA	VPT	833-A	
GL	809	GE	VPT	809		GL	815	GE	VPT	815			833-A	A	VPT	833-A	
DR	809	GES	VPT	809			815	GES	VPT	815		GL	833-A	GE	VPT	833-A	
	809	HY	VPT	809			815	HY	VPT	815			833-A	GES	VPT	833-A	
	809	NU	VPT	809			815	NU	VPT	815							
	809	S	VPT	809													

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
ML	833-A	HY	VPT	833-A	
	833-A	ML	VPT	833-A	
	833-A	T	VPT	833-A	
	833-A	UE	VPT	833-A	
UE	833-A	WL	VPT	833-A	
WL	833-A	RCA	VPT	834	
DR	834	A	VPT	834	
	834	GES	VPT	834	
	834	NU	VPT	834	
	834	UE	VPT	834	
UE	834	A	VPT		
GL	835	GE	VPT		
	836	RCA	R	836	
	836	A	R	836	
	836	EE	R	836	
EE	836	GE	R	836	
GL	836				
DR	836	GES	R	836	
	836	NU	R	836	
	836	WL	R	836	
	837	RCA	VPT	837	
WL	837	A	VPT	837	
GL	837	GE	VPT	837	
	837	GES	VPT	837	
	837	HY	VPT	837	
	837	NU	VPT	837	
RK	837	RK	VPT	837	
WL	837	S	VPT	837	
	837	WL	VPT	837	
	838	RCA	VPT	838	
	838	A	VPT	838	
GL	838	GE	VPT	838	
DR	838	GES	VPT	838	
	838	HY	VPT	838	
	838	NU	VPT	838	
	838	T	VPT	838	
T	838	UE	VPT	838	
UE	838				
WL	838	WL	VPT	838	
	841	RCA	VPT	841	
	841	A	VPT	841	
	841	HY	VPT	841	
GL	842	A	VPT		
	842	GE	VPT		
	843	A	VPT		
	843	GE	VPT		
GL	843	NU	VPT		
	843	RCA	VPT	845	
	845	A	VPT	845	
	845	GE	VPT	845	
GL	845	HY	VPT	845	
	845	NU	VPT	845	
	845	T	VPT	845	
	845	UE	VPT	845	
T	845				
UE	845				
WL	845	WL	VPT	845	
GL	846	A	VPT		
	846	GE	VPT		
	846	UE	VPT		
	846				
F	849	F	VPT		
	849	A	VPT		
	849	GE	VPT		
	849	ML	VPT		
GL	849	WL	VPT		
WL	849				
WL	851	A	VPT		
	851	WL	VPT		
	851	GE	VPT		
	851				

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
DR	851	GES	VPT		
	851	UE	VPT		
	854H	HK	VPT		
	857	RCA	R	857-B	
F	857-B	RCA	R	857-B	
	857-B	A	R	857-B	
	857-B	F	R	857-B	
	857-B			857-B	
GL	857-B	GE	R	857-B	
DR	857-B	GES	R	857-B	
ML	857-B	ML	R	857-B	
WL	857-B	WL	R	857-B	
F	858	F	VPT		
GL	858	A	VPT		
	858	GE	VPT		
	859	A	VPT		
	860	RCA	VPT	860	
UE	860	UE	VPT	860	
WL	860	WL	VPT	860	
	861	RCA	VPT	861	
	861	GES	VPT	861	
	861	WL	VPT	861	
DR	861				
WL	861				
F	862-A	F	VPT		
WL	862-A	WL	VPT		
	862-A	GE	VPT		
	865	RCA	VPT	865	
	865	NU	VPT	865	
HF	866-A	RCA	R	866-A	
	866-A	A	R	866-A	
	866-A	CE	R	866-A	
	866-A	CH	R	866-A	
EE	866-A	EE	R	866-A	
GL	866-A	EM	R	866-A	
	866-A	GE	R	866-A	
	866-A	GES	R	866-A	
	866-A	HY	R	866-A	
DR	866-A				
ML	866-A	ML	R	866-A	
RK	866-A	NU	R	866-A	
	866-A	RK	R	866-A	
	866-A	S	R	866-A	
	866-A	T	R	866-A	
T	866-A	UE	R	866-A	
UE	866-A				
WL	866-A	WL	R	866-A	
	866-A	RCA	R	866-A	
	866-A/866	HY	R	866-A	
	866-A/866				
GL	866-A/866	A	R		
	866-A/866	T	R		
	866-JR	NU	R		
	868	RCA	P	868	
WL	868	GE	P	868	
	868	WL	P	868	
	869-A	RCA	R	869-B	
	869-B	RCA	R	869-B	
F	869-B	A	R	869-B	
	869-B	F	R	869-B	
	869-B	GE	R	869-B	
	869-B	GES	R	869-B	
GL	869-B				
DR	869-B				
ML	869-B	HY	R	869-B	
	869-B	ML	R	869-B	
	869-B	S	R	869-B	
	869-B	WL	R	869-B	
WL	869-B	RCA	R	872-A	
872	872	T	R	872-A	
	872				
	872				
	872				

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
UE	872	UE	R	872-A	
	872-A	RCA	R	872-A	
	872-A	CE	R	872-A	
	872-A	EE	R	872-A	
EE	872-A	EM	R	872-A	
	872-A	F	R	872-A	
	872-A	GE	R	872-A	
	872-A	GES	R	872-A	
F	872-A	HY	R	872-A	
	872-A				
	872-A				
	872-A				
GL	872-A				
DR	872-A				
ML	872-A	ML	R	872-A	
	872-A	NU	R	872-A	
	872-A	RK	R	872-A	
	872-A	S	R	872-A	
RK	872-A	T	R	872-A	
	872-A				
	872-A				
	872-A				
UE	872-A	UE	R	872-A	
	872-A/872	RCA	R	872-A	
	872-A/872				
	872-A/872				
ML	872-A/872	ML	R	872-A	
	872-A/872				
	872-A/872				
	872-A/872				
WL	872-A/872	WL	R	872-A	
F	872-B	F	R		
	872-B				
	872-B				
	872-B				
DR	873	GES	R		
	873	EE	T		
	874	GE	R		
	875-A	T	R	575-A	
EE	878	RCA	R	878	
	878				
	878				
	878				
GL	878				
T	878				
DR	878	GES	R	878	
	878	UE	R	878	
	878	RCA	R	2X2-A	
	878	RCA	VPT	880	
UE	880	A	VPT	880	
	880				
	880				
	880				
F	880	F	VPT	880	
	880	GE	VPT	880	
	880	ML	VPT	880	
	880	S	VPT	880	
GL	880	UE	VPT	880	
	880				
	880				
	880				
WL	880	WL	VPT	880	
	884	RCA	T	884	
	884	A	T	884	
	884	CH	T	884	
GL	884	GE	T	884	
	884				
	884				
	884				
DR	884	GES	T	884	
	884	HY	T	884	
	884	NU	T	884	
	884	RK	T	884	
RX	884	S	T	884	
	884				
	884				
	884				
WL	884	WL	T	884	
	885	RCA	T	885	
	885	A	T	885	
	885	CH	T	885	
GL	885	GE	T	885	
	885				
	885				
	885				
DR	885	GES	T	885	
	885	NU	T	885	
	885	RK	T	885	
	885	S	T	885	
RX	885	WL	T	885	
	885				
	885				
	885				
WL	885				
	885				
	885				
	885				
F	889	RCA	VPT	889-A	
	889-A	RCA	VPT	889-A	
	889-A	A	VPT	889-A	
	889-A	F	VPT	889-A	
GL	889-A	GE	VPT	889-A	
	889-A				
	889-A				
	889-A				
ML	889-A	ML	VPT	889-A	
	889-A	UE	VPT	889-A	
	889-A				
	889-A				
UE	889-A				

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WL	889-A	WL	VPT	889-A	
	889R	RCA	VPT	889R-A	
	889R-A	RCA	VPT	889R-A	
F	889R-A	A	VPT	889R-A	
GL	889R-A	F	VPT	889R-A	
ML	889R-A	GE	VPT	889R-A	
UE	889R-A	ML	VPT	889R-A	
	889R-A	UE	VPT	889R-A	
WL	889R-A	WL	VPT	889R-A	
	891	RCA	VPT	891	
	891	A	VPT	891	
F	891	F	VPT	891	
GL	891	GE	VPT	891	
DR	891	GES	VPT	891	
ML	891	ML	VPT	891	
	891	S	VPT	891	
UE	891	UE	VPT	891	
WL	891	WL	VPT	891	
	891-R	RCA	VPT	891-R	
	891-R	A	VPT	891-R	
F	891-R	F	VPT	891-R	
GL	891-R	GE	VPT	891-R	
DR	891-R	GES	VPT	891-R	
ML	891-R	ML	VPT	891-R	
	891-R	S	VPT	891-R	
UE	891-R	UE	VPT	891-R	
WL	891-R	WL	VPT	891-R	
	892	RCA	VPT	892	
	892	A	VPT	892	
F	892	F	VPT	892	
GL	892	GE	VPT	892	
DR	892	GES	VPT	892	
ML	892	ML	VPT	892	
	892	UE	VPT	892	
UE	892	UE	VPT	892	
WL	892	WL	VPT	892	
	892-R	RCA	VPT	892-R	
	892-R	A	VPT	892-R	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
F	892-R	F	VPT	892-R	
GL	892-R	GE	VPT	892-R	
DR	892-R	GES	VPT	892-R	
ML	892-R	ML	VPT	892-R	
	892-R	S	VPT	892-R	
UE	892-R	UE	VPT	892-R	
WL	892-R	WL	VPT	892-R	
	893	RCA	VPT	893-A	
	893-A	RCA	VPT	893-A	
	893-A	A	VPT	893-A	
F	893-A	F	VPT	893-A	
GL	893-A	GE	VPT	893-A	
ML	893-A	ML	VPT	893-A	
	893-A	S	VPT	893-A	
UE	893-A	UE	VPT	893-A	
WL	893-A	WL	VPT	893-A	
	893A-R	RCA	VPT	893A-R	
	893A-R	A	VPT	893A-R	
F	893A-R	F	VPT	893A-R	
GL	893A-R	GE	VPT	893A-R	
ML	893A-R	ML	VPT	893A-R	
	893A-R	S	VPT	893A-R	
WL	893A-R	WL	VPT	893A-R	
GL	895	GE	VPT		
ML	895	ML	VPT		
WL	895	WL	VPT		
	895	A	VPT		
	895-R	A	VPT		
GL	895-R	GE	VPT		
ML	895-R	ML	VPT		
WL	895-R	WL	VPT		
	898-A	RCA	VPT	898-A	
	898-A	A	VPT	898-A	
F	898-A	F	VPT	898-A	
	902	RCA	CR	902-A	
	902-A	RCA	CR	902-A	
UE	905	UE	VPT	805	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
	906-P1	RCA	CR	3AP1-A	
	908	RCA	CR	908-A	
	908-A	RCA	CR	908-A	
GL	914-A	GE	CR		
	917	RCA	P	917	
GL	917	GE	P	917	
	917	HY	P	917	
WL	917	WL	P	917	
	918	RCA	P	918	
GL	918	GE	P	918	
	918	HY	P	918	
WL	918	WL	P	918	
	919	RCA	P	919	
GL	919	GE	P	919	
	919	HY	P	919	
WL	919	WL	P	919	
	920	RCA	P	920	
GL	920	GE	P	920	
	920	HY	P	920	
	920	S	P	920	
WL	920	WL	P	920	
	921	RCA	P	921	
GL	921	GE	P	921	
	921	HY	P	921	
WL	921	WL	P	921	
	922	RCA	P	922	
GL	922	GE	P	922	
	922	HY	P	922	
	922	S	P	922	
WL	922	WL	P	922	
	923	RCA	P	923	
GL	923	GE	P	923	
	923	HY	P	923	
WL	923	WL	P	923	
	924	RCA	P	924	
WL	924	WL	P	924	
	925	RCA	P	925	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

KEY TO SYMBOLS IN COLUMN 3

A = Amperex Electronic Corp.
 BEN = Bendix Aviation Corp.
 BO = Bomac Laboratories, Inc.
 CH = Chatham Electronics Division
 CE = Continental Electric Co. (Cetron)
 D = A. B. Dumont Laboratories, Inc.
 EE = Electronic Enterprises, Inc.
 EM = Eitel-McCullough, Inc. (Eimac)
 EL = Electrons, Inc.
 F = Federal Telephone and Radio Co.
 GE = General Electric Co.

GES = General Electronics Co.
 GS = General Scientific Corp.
 HK = Heinz and Kaufman
 HY = CBS-Hytron
 IH = Induction Heating Corp.
 KU = Kuthe Laboratories
 ML = Machlett Laboratories, Inc.
 NAP = Philips Electron Tube Division
 NL = National Electronics, Inc.
 NU = National Union Electric Corp.
 PL = Penta Laboratories, Inc.

R = Rauland Corporation
 RK = Raytheon Manufacturing Co.
 ROG = Rogers Electronic Tubes
 S = Sylvania Electric Products, Inc.
 STC = Standard Telephone and Cables
 T = Taylor Tubes, Inc.
 TS = Tung-Sol Electric, Inc.
 UE = United Electronics Co.
 WE = Western Electric Co.
 WL = Westinghouse Electric Corp.
 WT = Weltronic Co.

KEY TO SYMBOLS IN COLUMN 4

CM = Camera Tube or Monoscope
 CR = Cathode-Ray Tube
 G = Glow Tube
 GA = Gauge Tube
 K = Klystron
 I = Ignitron

IC = Image-Converter Tube
 M = Magnetron
 P = Phototube
 PC = Photoconductive Cell
 PJ = Photojunction Cell
 R = Rectifier

RT = Receiving Tube
 RIT = Receiving-Type Industrial Tube
 ST = Storage Tube
 T = Thyatron
 TW = Traveling-Wave Tube
 VPT = Vacuum Power Tube

RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Design- ation	Mfr.	Tube Class		
WL	925	WL	P	925	
	926	RCA	P	926	
WL	926	WL	P	926	
	927	RCA	P	927	
GL	927	GE	P	927	
	927	HY	P	927	
WL	927	WL	P	927	
	928	RCA	P	928	
WL	928	WL	P	928	
	929	RCA	P	929	
GL	929	GE	P	929	
	929	HY	P	929	
	929	S	P	929	
WL	929	WL	P	929	
	930	RCA	P	930	
GL	930	GE	P	930	
	930	HY	P	930	
WL	930	WL	P	930	
UE	930	UE	VPT	830-B	
UE	930-B	UE	VPT	830-B	
	931	RCA	P	931-A	
	931-A	RCA	P	931-A	
GL	931-A	GE	P	931-A	
	931-A	HY	P	931-A	
	931-A	S	P	931-A	
WL	931-A	WL	P	931-A	
	931-VA	RCA	P	931-VA	
	934	RCA	P	934	
	934	HY	P	934	
	935	RCA	P	935	
GL	935	GE	P	935	
UE	938	UE	VPT	838	
UE	945	UE	VPT	845	
	954	RCA	RIT	954	
GL	954	GE	RIT	954	
	954	HY	RIT	954	
	954	RK	RIT	954	
	954	S	RIT	954	
	954	TS	RIT	954	
	955	RCA	RIT	955	
	955	GE	RIT	955	
	955	HY	RIT	955	
	955	NU	RIT	955	
	955	RK	RIT	955	
	955	S	RIT	955	
	955	TS	RIT	955	
	956	RCA	RIT	956	
GL	956	GE	RIT	956	
	956	RK	RIT	956	
	956	S	RIT	956	
	956	TS	RIT	956	
	957	RCA	RIT	957	
GL	957	GE	RIT	957	
	957	RK	RIT	957	
	958-A	RCA	RIT	958-A	
	959	RCA	RIT	959	
GL	959	GE	RIT	959	
UE	966	UE	R	866-A	
UE	966-A	UE	R	866-A	
UE	967	UE	T	5557	
	967	NU	T	5557	
UE	972	UE	R	872-A	
UE	972-A	UE	R	872-A	
UE	973	UE	T		5559

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Design- ation	Mfr.	Tube Class		
UE	975-A	UE	R		575-A
	975-A	NU	R	575-A	
	991	RCA	G	991	
WL	1000T	WL	VPT		
	1000T	EM	VPT		
NL	1001	NL	I		5550
NL	1005	NL	I		5551-A
NL	1051	NL	I	5551-A	
	1052	NL	I	5551-A	
NL	1053	NL	I	5553-B	
R	1111	S	GA		1947
R	1111-M	S	GA		1947
E	1148	HY	VPT		
	1230	S	RT		30
	1237	S	R		
VC	1258	CH	T		6130/ 3C45
	1266	S	G		5823
	1267	S	RT		2A3
	1280	S	RT		14C7
	1603	TS	RT		1620 or 5879
GL	1603	GE	RT		1620 or 5879
	1609	RCA	VPT	1609	
	1611	RCA	RIT	1611	
	1612	RCA	VPT	1612	
GL	1612	GE	VPT	1612	
	1612	S	VPT	1612	
GL	1613	RCA	VPT	1613	
	1613	GE	VPT	1613	
	1614	RCA	VPT	1614	
GL	1614	GE	VPT	1614	
	1614	HY	VPT	1614	
	1616	RCA	R	1616	
	1616	A	R	1616	
GL	1616	GE	R	1616	
DR	1616	GES	R	1616	
	1616	HY	R	1616	
	1616	NU	R	1616	
	1616	S	R	1616	
	1619	RCA	VPT	1619	
GL	1619	GE	VPT	1619	
	1619	NU	VPT	1619	
	1620	RCA	VPT	1620	
GL	1620	GE	VPT	1620	
	1620	HY	VPT	1620	
	1620	NU	VPT	1620	
	1620	TS	VPT	1620	
	1621	RCA	VPT	1621	
GL	1621	GE	VPT	1621	
	1621	HY	VPT	1621	
	1621	NU	VPT	1621	
	1622	RCA	VPT	1622	
GL	1622	GE	VPT	1622	
	1622	HY	VPT	1622	
	1622	NU	VPT	1622	
	1623	RCA	VPT	1623	
GL	1623	GE	VPT	1623	
WL	1623	WL	VPT	1623	
	1624	RCA	VPT	1624	
GL	1624	GE	VPT	1624	
	1624	HY	VPT	1624	
	1624	NU	VPT	1624	
	1624	S	VPT	1624	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Design- ation	Mfr.	Tube Class		
GL	1625	RCA	VPT	1625	
	1625	A	VPT	1625	
DR	1625	GE	VPT	1625	
	1625	GES	VPT	1625	
	1625	HY	VPT	1625	
	1625	NU	VPT	1625	
RK	1625	RK	VPT	1625	
	1625	S	VPT	1625	
	1625	TS	VPT	1625	
	1626	RCA	VPT	1626	
	1626	A	VPT	1626	
	1626	HY	VPT	1626	
	1626	S	VPT	1626	
	1626	TS	VPT	1626	
GL	1629	RCA	RIT	1629	
	1629	GE	RIT	1629	
	1629	S	RIT	1629	
	1629	TS	RIT	1629	
	1631	RCA	VPT	1631	
GL	1632	RCA	VPT	1632	
	1633	GE	VPT	1632	
	1635	RCA	VPT	1635	
	1640	RCA	P	6405/ 1640	
	1654	RCA	R		1X2-A
	1699	RCA	CM	1699	
	1701	A	T	5557	5563-A
	1702	A	T		
	1754	KU	T		
	1802-P1	RCA	CR	5BP1-A	
	1811-P1	RCA	CR	7CP1	
	1816-P4	RCA	CR		10FP4-A
	1816-P4A	RCA	CR		10FP4-A
	1818-P1	RCA	CR	1818-P1	
	1818-P11	RCA	CR	1818-P11	
	1818-P27	RCA	CR	1818-P27	
	1849	RCA	CM	1850-A	
GL	1850	RCA	CM	1850-A	
	1850-A	RCA	CM	1850-A	
	1850-A	GE	CM	1850-A	
	1852	RCA	RT	6AC7	
	1853	RCA	RT	6AB7	
	1854	RCA	CM	6474	
	1855	RCA	CM	6896/ 1855	
	1899	RCA	CM		2F21
	1907	KU	T		
	1907	S	T		
	1946	RCA	GA	1946	
	1947	RCA	GA	1947	
	1949	RCA	GA	1949	
	1950	RCA	GA	1950	
	2020	RCA	P	2020	
	2022	RCA	P	2022	
	2029	RCA	VPT	2029	
	2050	RCA	T	2050	
	2050	A	T	2050	
GL	2050	CH	T	2050	
	2050	GE	T	2050	
	2050	HY	T	2050	
	2050	NU	T	2050	
	2050	RK	T	2050	
	2050	S	T	2050	
WL	2050	WL	T	2050	
	2051	RCA	T	2050	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

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RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	2051	A	T	2050	
	2051	CH	T	2050	
	2051	GE	T	2050	
	2051	NU	T	2050	
	2051	RK	T	2050	
	2051	S	T	2050	
HF	2039	RCA	VPT	2039	
	2525A5	D	CR	5BP1-A	
	3000	A	VPT		
	3200	A	VPT		
ZB	4009	RCA	TW	4009	
	4010	RCA	TW	4010	
F	4011	RCA	TW	4011A	
	4011A	RCA	TW	4011A	
	5303	F	VPT		
	5331	A	VPT		830-B
	5332	A	VPT		830-B
CK	5514	HY	VPT		811-A
	5516	HY	VPT		2E24
	5517/	RK	R		
	CK-1013				
5527		RCA	CM		
	5528	CE	T		
ML	5530	ML	VPT		5762/7C24
	5541	ML	VPT		
GL	5544	GE	T		
	5545	GE	T		
GL	5550	RCA	I	5550	
	5550	A	I	5550	
	5550	NL	I	5550	
	5550/	GE	I	5550	
	GL-415				
	5550/681	A	I	5550	
WL	5550/681	S	I	5550	
	5550/681/	WL	I	5550	
686					
	5551	RCA	I	5551-A	
AX	5551	NL	I	5551-A	
	5551/652	A	I	5551-A	
WL	5551/652	WL	I	5551-A	
	5551/	GE	I	5551-A	
GL	FG-271				
	5551-A	RCA	I	5551-A	
GL	5551-A	A	I	5551-A	
	5551-A	GE	I	5551-A	
WL	5551-A/	S	I	5551-A	
	652				
WL	5551-A/	WL	I	5551-A	
	652				
GL	5552	RCA	I	5552-A	
	5552	A	I	5552-A	
GL	5552	GE	I	5552-A	
	5552				
AX	5552/651	A	I	5552-A	
	5552/651	S	I	5552-A	
WL	5552/651	WL	I	5552-A	
	5552/	GE	I	5552-A	
GL	FG-235A				
	5552-A	RCA	I	5552-A	
AX	5553	RCA	I	5553-B	
	5553/655	A	I	5553-B	
GL	5553/655	GE	I	5553-B	
	5553/655	WL	I	5553-B	
GL	5553/	GE	I	5553-B	
	FG-258A				

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	5553-A	RCA	I	5553-B	
	5553-A	GE	I	5553-B	
GL	5553-B	RCA	I	5553-B	
	5553-B	A	I	5553-B	
GL	5553-B	GE	I	5553-B	
	5553-B/	S	I	5553-B	
WL	655				
	5553-B/	WL	I	5553-B	
WL	655				
	5554/679	WL	I		
GL	5554/	GE	I		
	FG-259B				
5555		RCA	I	5555	
	5555				
GL	5555	GE	I	5555	
	5555	S	I	5555	
AX	5555/	A	I	5555	
	653-B				
WL	5555/	WL	I	5555	
	653B				
GL	5555/	GE	I	5555	
	FG-238B				
GL	5556	RCA	VPT	5556	
	5556	GE	VPT	5556	
GL	5556/PJ-8	GE	VPT	5556	
	5557	RCA	T	5557	
WL	5557	CE	T	5557	
	5557				
WL	5557	S	T	5557	
	5557/17	WL	T	5557	
GL	5557/715	NL	T	5557	
	5557/	GE	T	5557	
AX	FG-17				
	5557/	A	T	5557	
GL	FG-17/				
	1701				
GL	5558	RCA	R	5558	
	5558	GE	R	5558	
WL	5558/32	WL	R	5558	
	5558/	GL	R	5558	
GL	FG-32				
	5559	RCA	T	5559	
GL	5559	A	T	5559	
	5559	GE	T	5559	
WL	5559	S	T	5559	
	5559/57	WL	T	5559	
GL	5559/	GE	T	5559	
	FG-57				
GL	5560	RCA	T	5560	
	5560	S	T	5560	
GL	5560/	A	T	5560	
	FG-95				
GL	5560/	GE	T	5560	
	FG-95				
GL	5561	HY	T	5560	
	5561	RCA	R	5561	
WL	5561	GE	R	5561	
	5561/104	WL	R	5561	
GL	5561/	GE	R	5561	
	FG-104				
F	5561/	HY	R	5561	
	FG-104				
GL	5563	RCA	T	5563-A	
	5563	F	T	5563-A	
GL	5563-A	RCA	T	5563-A	
	5581	RCA	P	5581	
GL	5581	GE	P	5581	
	5581	HY	P	5581	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WL	5581	WL	P	5581	
	5582	RCA	P	5582	
	5583	RCA	P	5583	
	5583	HY	P	5583	
GL	5584	RCA	P	5584	
	5588	RCA	VPT	5588	
	5588	GE	VPT	5588	
	5590/	ML	VPT	5588	
ML	401B	WE	RIT		5654
	5591/				
	403B	WE	RIT		5654
	5592	RCA	VPT		
ML	5592	ML	VPT	5592	
	5593	GE	R		
AX	5604	A	VPT	5604-A	
	5604	F	VPT	5604-A	
ML	5604	ML	VPT	5604-A	
	5604	WL	VPT	5604-A	
ML	5604-A	RCA	VPT	5604-A	
	5606	ML	VPT		892
F	5606				
	5618	F	VPT		
	5619	RCA	VPT	5618	
	5619	A	VPT		
GL	5632	F	VPT		
	5632	GE	T	C3J/5632	
GL	5632/C3J	GE	T	C3J/5632	
	5636	RCA	RIT	5636	
GL	5636	GE	RIT	5636	
	5636	S	RIT	5636	
GL	5636	TS	RIT	5636	
	5636				
CK	5636-A	RCA	RIT	5636	
	5636-A	S	RIT	5636	
CK	5639	TS	RIT	5639	
	5639	RCA	RIT	5639	
CK	5639	RK	RIT	5639	
	5639				
CK	5639	S	RIT	5639	
	5639	TS	RIT	5639	
CK	5642	RCA	R	5642	
	5642	GE	R	5642	
CK	5642	HK	R	5642	
	5642				
CK	5642	S	R	5642	
	5643	RK	T		
GL	5651	RCA	G	5651	
	5651	A	G	5651	
GL	5651	CH	G	5651	
	5651	GE	G	5651	
CK	5651	HY	G	5651	
	5651	RK	G	5651	
GL	5651	S	G	5651	
	5651	TS	G	5651	
GL	5651	UE	G	5651	
	5651-WA	RCA	G	5651-WA	
GL	5651-WA	CH	G	5651-WA	
	5651-WA	RK	G	5651-WA	
GL	5651-WA	UE	G	5651-WA	
	5651-WA				
GL	5652	RCA	P	5652	
	5653	RCA	P	5653	
GL	5653	HY	P	5653	
	5653	S	P	5653	
GL	5654	RCA	RIT	5654	
	5654				
CK	5654	GE	RIT	5654	
	5654	HY	RIT	5654	
CK	5654	RK	RIT	5654	
	5654	S	RIT	5654	

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RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Design- nation	Mfr.	Tube Class		
GL	5654	TS	RIT	5654	
	5654	NAP	RIT	5654	
	5654/ 6AK5-W	RCA	RIT	5654/ 6AK5-W	
	5654/ 6AK5-W	GE	RIT	5654/ 6AK5-W	
	5654/ 6AK5-W	HY	RIT	5654/ 6AK5-W	
	5654/ 6AK5-W	RK	RIT	5654/ 6AK5-W	
	5654/ 6AK5-W	TS	RIT	5654/ 6AK5-W	
	5654/ 6AK5-W	S	RIT	5654/ 6AK5-W	
	5654/ 6AK5-W	RCA	RIT	5654/ 6AK5-W	
	5654/ 6AK5-W/ 6096	GE	RIT	5654/ 6AK5-W/ 6096	
GL	5654/ 6AK5-W/ 6096	HY	RIT	5654/ 6AK5-W/ 6096	
	5654/ 6AK5-W/ 6096	S	RIT	5654/ 6AK5-W/ 6096	
	5654/ 6AK5-W/ 6096	TS	RIT	5654/ 6AK5-W/ 6096	
	5654/ 6AK5-W/ 6096	A	VPT	5654/ 6AK5-W/ 6096	880
	5658	F	VPT		880
	5658	ML	VPT		880
	5659	GE	RIT		12A6
	5660	GE	RIT		12C8
	5661	GE	RIT		12SK7
	5662	GE	T		5696
GL	5663	GE	T		3C23
	5664	WL	T		3C23
	5664	EL	T		3C23
	5665	EL	T	C16J/ 5665	
	5665	WL	T	C16J/ 5665	
	5665/ C16J	GE	T	C16J/ 5665	
	5666	A	VPT		889-A
	5666	F	VPT		889-A
	5666	ML	VPT		889-A
	5667	A	VPT		889R-A
F ML	5667	F	VPT		889R-A
	5667	ML	VPT		889R-A
	5668	A	VPT		892
	5668	F	VPT		892
	5668	ML	VPT		892
	5669	A	VPT		892-R
	5669	F	VPT		892-R
	5669	ML	VPT		892-R
	5670	RCA	RIT	5670	
	5670	BEN	RIT	5670	
CK	5670	GE	RIT	5670	
	5670	HY	RIT	5670	
	5670	RK	RIT	5670	
	5670	S	RIT	5670	
	5670	TS	RIT	5670	
	5670-WA	RCA	RIT	5670-WA	
	5670-WA	GE	RIT	5670-WA	
	5670-WA	HY	RIT	5670-WA	
	5670-WA	TS	RIT	5670-WA	
	5670-WA	WL	RIT	5670-WA	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Design- nation	Mfr.	Tube Class		
ML WL	5670-WA	S	RIT	5670-WA	
	5670-WA	TS	RIT	5670-WA	
	5671	RCA	VPT	5671	
	5671	ML	VPT	5671	
	5671	WL	VPT	5671	
	5675	RCA	VPT	5675	
	5675	HY	VPT	5675	
	5675	S	VPT	5675	
	5679	S	VPT	5679	
	5683	EL	T	5683	
WL	5685	WL	T	5685	
	5685/C6J	A	T	5685	
	5685/C6J	CE	T	5685	
	5685/C6J	EL	T	5685	
	5686	RCA	RIT	5686	
	5686	GE	RIT	5686	
	5686	HY	RIT	5686	
	5686	RK	RIT	5686	
	5686	S	RIT	5686	
	5686	TS	RIT	5686	
GL	5687	RCA	RIT	5687	
	5687	GE	RIT	5687	
	5687	HY	RIT	5687	
	5687	HY	RIT	5687	
	5687	TS	RIT	5687	
	5690	RCA	R	5690	
	5690	HY	R	5690	
	5691	RCA	RIT	5691	
	5691	GE	RIT	5691	
	5691	HY	RIT	5691	
WL	5691	S	RIT	5691	
	5691	TS	RIT	5691	
	5691	WL	RIT	5691	
	5692	RCA	RIT	5692	
	5692	GE	RIT	5692	
	5692	HY	RIT	5692	
	5692	S	RIT	5692	
	5692	WL	RIT	5692	
	5693	RCA	RIT	5693	
	5693	GE	RIT	5693	
GL	5693	HY	RIT	5693	
	5693	S	RIT	5693	
	5693	TS	RIT	5693	
	5693	WL	RIT	5693	
	5695	EE	R	5695	
	5696	RCA	T	5696	
	5696	GE	T	5696	
	5696	HY	T	5696	
	5702-WA	RK	RIT	5702-WA	
	5704-WA	RK	RIT	5704-WA	
CK	5713	RCA	VPT	5713	
	5718	RCA	RIT	5718	
	5718	GE	RIT	5718	
	5718	HY	RIT	5718	
	5718	S	RIT	5718	
	5718-A	RCA	RIT	5718-A	
	5718-A	GE	RIT	5718-A	
	5718-A	S	RIT	5718-A	
	5719	RCA	RIT	5719	
	5719	GE	RIT	5719	

Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Design- nation	Mfr.	Tube Class		
GL	5719	S	RIT	5719	
	5719-A	RCA	RIT	5719	
	5719-A	GE	RIT	5719	
	5719-A	S	RIT	5719	
	5725	RCA	RIT	5725	
	5725	GE	RIT	5725	
	5725	RK	RIT	5725	
	5725	TS	RIT	5725	
	5725/ 6AS6-W/ 6187	S	RIT	5725/ 6AS6-W/ 6187	
	5725/ 6AS6-W/ 6187	TS	RIT	5725/ 6AS6-W/ 6187	
CK	5726	RCA	RIT	5726	
	5726	GE	RIT	5726	
	5726	RK	RIT	5726	
	5726	S	RIT	5726	
	5726	TS	RIT	5726	
	5726	NAP	RIT	5726	
	5726/ 6AL5-W	RCA	RIT	5726/ 6AL5-W	
	5726/ 6AL5-W	GE	RIT	5726/ 6AL5-W	
	5726/ 6AL5-W	S	RIT	5726/ 6AL5-W	
	5726/ 6AL5-W	RCA	RIT	5726/ 6AL5-W	
GL	5726/ 6AL5-W/ 6097	GE	RIT	5726/ 6AL5-W/ 6097	
	5726/ 6AL5-W/ 6097	RCA	T	5726/ 6AL5-W/ 6097	
	5727	A	T	5727	
	5727	GE	T	5727	
	5727	HY	T	5727	
	5727	S	T	5727	
	5727	NAP	T	5727	
	5727/ 2D21-W	RCA	T	5727/ 2D21-W	
	5727/ 2D21-W	GE	T	5727/ 2D21-W	
	5727/ 2D21-W	S	T	5727/ 2D21-W	
GL	5727/ 2D21-W	TS	T	5727/ 2D21-W	
	5734	RCA	VPT	5734	
	5736	A	VPT	5736	
	5736	WL	VPT	5736	
	5741	GE	R	5741	
	5743	GE	VPT	5743	
	5744-WB	RK	RIT	5744-WB	
	5749	RCA	RIT	5749	
	5749	GE	RIT	5749	
	5749	HY	RIT	5749	
CK	5749	RK	RIT	5749	
	5749	S	RIT	5749	
	5749	TS	RIT	5749	
	5749/ 6BA6-W	RCA	RIT	5749/ 6BA6-W	
	5749/ 6BA6-W	GE	RIT	5749/ 6BA6-W	
	5749/ 6BA6-W	HY	RIT	5749/ 6BA6-W	
	5749/ 6BA6-W	TS	RIT	5749/ 6BA6-W	
	5749/ 6BA6-W	WL	RIT	5749/ 6BA6-W	
	5749/ 6BA6-W	GE	RIT	5749/ 6BA6-W	
	5749/ 6BA6-W	HY	RIT	5749/ 6BA6-W	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

* RCA types shown in this column are direct replacements for corresponding types to be replaced.

† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL CK	5749/ 6BA6-W	S	RIT	5749/ 6BA6-W	5750
	5749/ 6BA6-W	TS	RIT	5749/ 6BA6-W	
	5750	RCA	RIT	5750	
	5750	GE	RIT	5750	
	5750	RK	RIT	5750	
GL	5750	S	RIT	5750	5750
	5750/ 6BE6-W	GE	RIT		
GL	5751	RCA	RIT	5751	
	5751	GE	RIT	5751	
	5751	HY	RIT	5751	
CK	5751	RK	RIT	5751	5750
	5751	S	RIT	5751	
	5751	TS	RIT	5751	
	5751-WA	RCA	RIT	5751-WA	
	5751-WA	GE	RIT	5751-WA	
GL	5751-WA	S	RIT	5751-WA	5750
	5751-WA	TS	RIT	5751-WA	
	5762	RCA	VPT	5762/ 7C24	
F	5762	F	VPT	5762/ 7C24	
GL	5762	GE	VPT	5762/ 7C24	
	5762/ 7C24	RCA	VPT	5762/ 7C24	5750
GL	5763	RCA	VPT	5763	
	5763	GE	VPT	5763	
	5763	HY	VPT	5763	
CK	5763	RK	VPT	5763	
	5763	S	VPT	5763	5750
	5764	S	VPT		
	5765	S	VPT		
	5767	S	VPT		
	5768	S	VPT		
	5770	RCA	VPT	5770	5750
	5771	RCA	VPT	5771	
	5771	A	VPT	5771	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
F	5771	F	VPT	5771	5555
ML	5771	ML	VPT	5771	
GL	5786	RCA	VPT	5786	
	5788	GE	I		
	5794	S	VPT		
	5794	RK	VPT		5555
	5812	HY	VPT		
GL	5814	GE	RIT	5814-A	
	5814	HY	RIT	5814-A	
CK	5814	RK	RIT	5814-A	
	5814	S	RIT	5814-A	5555
	5814	TS	RIT	5814-A	
GL	5814-A	RCA	RIT	5814-A	
	5814-A	GE	RIT	5814-A	
	5814-A	HY	RIT	5814-A	
	5814-A	S	RIT	5814-A	5555
	5814-WA	RCA	RIT	5814-WA	
	5814-WA	S	RIT	5814-WA	
	5819	RCA	P	5819	
	5820	RCA	CM	5820	
	5822	RCA	I	5822-A	5555
	5822	A	I	5822-A	
GL	5822	GE	I	5822-A	
WL	5822	WL	I	5822-A	
	5822-A	RCA	I	5822-A	
	5822-A	GE	I	5822-A	5555
WL	5822-A	WL	I	5822-A	
	5823	RCA	G	5823	
	5823	HY	G	5823	
	5823	S	G	5823	
	5824	GE	RIT		25B6-G
	5825	RCA	R	5825	
ML	5834	ML	VPT		
	5838	BEN	R		
	5839	BEN	R		
	5840	RCA	RIT	5840	25B6-G
GL	5840	GE	RIT	5840	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	5840	S	RIT	5840	5840
	5840-A	GE	RIT		
GL	5840-A	S	RIT		
	5844	GE	VPT		
	5851	NU	RIT		
	5852	BEN	VPT		5840
	5862/ AX9900	A	VPT		
	5867/ AX9901	A	VPT		
	5868/ AX9902	A	VPT		
	5876	RCA	VPT	5876	
	5876	S	VPT	5876	5840
	5876-A	RCA	VPT	5876-A	
	5879	RCA	RT	5879	
	5879	GE	RT	5879	
	5879	HY	RT	5879	
	5879	S	RT	5879	5840
	5879	TS	RT	5879	
	5881	RCA	RT	5881	
	5881	GE	RT	5881	
	5881	HY	RT	5881	
	5881	S	RT	5881	5840
	5881	TS	RT	5881	
	5890	RCA	VPT	5890	
	5891	WL	VPT		
	5893	RCA	VPT	5893	
	5894	A	VPT		5840
ML	5894	ML	VPT		
GL	5896	RCA	RIT	5896	
	5896	GE	RIT	5896	
	5896	S	RIT	5896	
	5896-A	RCA	RIT	5896-A	5840
	5897	S	RIT	5718	
	5898	S	RIT	5719	
	5899	RCA	RIT	5899	
GL	5899	GE	RIT	5899	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

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† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

KEY TO SYMBOLS IN COLUMN 3

A = Amperex Electronic Corp.
 BEN = Bendix Aviation Corp.
 BO = Bomac Laboratories, Inc.
 CH = Chatham Electronics Division
 CE = Continental Electric Co. (Cetron)
 D = A. B. Dumont Laboratories, Inc.
 EE = Electronic Enterprises, Inc.
 EM = Eitel-McCullough, Inc. (Eimac)
 EL = Electrons, Inc.
 F = Federal Telephone and Radio Co.
 GE = General Electric Co.

GES = General Electronics Co.
 GS = General Scientific Corp.
 HK = Heinz and Kaufman
 HY = CBS-Hytron
 IH = Induction Heating Corp.
 KU = Kuthe Laboratories
 ML = Machlett Laboratories, Inc.
 NAP = Philips Electron Tube Division
 NL = National Electronics, Inc.
 NU = National Union Electric Corp.
 PL = Penta Laboratories, Inc.

R = Rauland Corporation
 RK = Raytheon Manufacturing Co.
 ROG = Rogers Electronic Tubes
 S = Sylvania Electric Products, Inc.
 STC = Standard Telephone and Cables
 T = Taylor Tubes, Inc.
 TS = Tung-Sol Electric, Inc.
 UE = United Electronics Co.
 WE = Western Electric Co.
 WL = Westinghouse Electric Corp.
 WT = Weltronic Co.

KEY TO SYMBOLS IN COLUMN 4

CM = Camera Tube or Monoscope
 CR = Cathode-Ray Tube
 G = Glow Tube
 GA = Gauge Tube
 K = Klystron
 I = Ignitron

IC = Image-Converter Tube
 M = Magnetron
 P = Phototube
 PC = Photoconductive Cell
 PJ = Photojunction Cell
 R = Rectifier

RT = Receiving Tube
 RIT = Receiving-Type Industrial Tube
 ST = Storage Tube
 T = Thyatron
 TW = Traveling-Wave Tube
 VPT = Vacuum Power Tube

RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	5899	S	RIT	5899	
	5899-A	RCA	RIT	5899	
	5899-A	GE	RIT	5899	
	5899-A	S	RIT	5899	
	5902	RCA	RIT	5902	
GL	5902	GE	RIT	5902	
CK	5902	HY	RIT	5902	
	5902	RK	RIT	5902	
	5902	S	RIT	5902	
	5915	RCA	RIT	5915	
GL	5915	GE	RIT	5915	
	5915	HY	RIT	5915	
	5915	S	RIT	5915	
	5915-A	GE	RIT		5915
	5915-A	HY	RIT		5915
	5915-A	S	RIT		5915
	5917	F	VPT		5915
F	5918	F	VPT		5770
	5919	F	VPT		5671
	5920	A	RIT		6101
					7C24
AX	5923/9904	A	VPT		2A3
	5930	S	VPT		5U4-GB
	5931	S	VPT		7027-A
	5932	S	VPT		807
	5933	S	VPT		
WL	5933-WA	S	VPT		807
	5934	WL	R		579-B
	5936	WL	VPT		9C21
	5946	RCA	VPT	5946	
	5948/1754	KU	T		
GL	5948/1754	GE	T		
	5949/1907	KU	T		
	5960	BEN	RIT		
	5963	RCA	RIT	5963	
	5963	GE	RIT	5963	
GL	5963	HY	RIT	5963	
	5963	S	RIT	5963	
	5964	RCA	RIT	5964	
	5965	RCA	RIT	5965	
	5965	GE	RIT	5965	
GL	5965	HY	RIT	5965	
	5965	S	RIT	5965	
	5976	RK	K		2K26
	5992	BEN	RIT		
	5993	BEN	RIT		
GL	5998/421A	WE	RIT		
	6005	RCA	RIT	6005	
	6005	GE	RIT	6005	
	6005	HY	RIT	6005	
	6005	S	RIT	6005	
GL	6005	TS	RIT	6005	
	6005/6A Q5-W	RCA	RIT	6005/6A Q5-W	
	6005/6A Q5-W	GE	RIT	6005/6A Q5-W	
	6005/6A Q5-W	HY	RIT	6005/6A Q5-W	
	6005/6A Q5-W	RCA	RIT	6005/6A Q5-W	
	6005/6A Q5-W/6095			6005/6A Q5-W/6095	
	6005/6A Q5-W/6095	GE	RIT	6005/6A Q5-W/6095	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
F	6005/6A Q5-W/6095	HY	RIT	6005/6A Q5-W/6095	
	6009	F	VPT		
	6011/710	WL	T		
	6012	RCA	T	6012	
GL	6012	HY	T	6012	
	6014	RCA	T	6012	
	6014/CIK	GE	T	6014	
	6021	RCA	RIT	6021	
GL	6021	GE	RIT	6021	
	6021	RK	RIT	6021	
	6026	RCA	VPT	6026	
	6028	WE	RIT		5654
CK	6028/408A	WE	RIT		5654
	6032	RCA	IC	6032, 6032-A	
	6032-A	RCA	IC	6032-A	
	6044	CE	T		
GL	6046	GE	RIT		5751
	6057	STC	RIT		5726
	6058	STC	RIT		
	6060	STC	RIT		6201
CK	6062	STC	VPT		5763
	6067	STC	RIT		5814-A
	6072	RCA	RIT	6072	
	6072	GE	RIT	6072	
GL	6072	HY	RIT	6072	
	6073	RCA	G	6073	
	6073	HY	G	6073	
	6073	RK	G	6073	
CK	6073/0A2	RCA	G	6073/0A2	
	6074	TS	G	6074	
	6074/0B2	RCA	G	6074/0B2	
	6076	A	VPT		
GL	6080	RCA	RIT	6080	
	6080	GE	RIT	6080	
	6080	HY	RIT	6080	
	6080-WA	RCA	RIT	6080-WA	
GL	6080-WA	CH	RIT	6080-WA	
	6080-WA	TS	RIT	6080-WA	
	6082	RCA	RIT	6082	
	6082	TS	RIT	6082	
GL	6082-A	BEN	RIT		6082
	6084	NAP	RIT		5879
	6085	NAP	RIT		5692
	6087	GE	R		5690
	6094	BEN	RIT		6005
GL	6096	GE	RIT	5654/6A K5-W/6096	
	6097	GE	RIT	5726/6A L5-W/6097	
	6099	RCA	RIT	6099	
	6099	HY	RIT	6099	
GL	6099	S	RIT	6099	
	6100/6C4-WA	GE	RIT		
	6101	RCA	RIT	6101	
	6101	HY	RIT	6101	
	6101/6J6-WA	RCA	RIT	6101/6J6-WA	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
GL	6101/6J6-WA	HY	RIT	6101/6J6-WA	5690
	6106	BEN	R		
	6111	RCA	RIT	6111	
	6111	GE	RIT	6111	
	6111	HY	RIT	6111	
CK	6111	RK	RIT	6111	
	6111	S	RIT	6111	
	6112	RCA	RIT	6112	
	6112	GE	RIT	6112	
GL	6112	HY	RIT	6112	
	6112	RK	RIT	6112	
	6112	S	RIT	6112	
	6130	BO	T	6130/3C45	
CK	6130	GE	T	6130/3C45	
	6130	KU	T	6130/3C45	
	6130	RCA	T	6130/3C45	
	6134	GE	RIT		
GL	6135	GE	RIT		
	6136	RCA	RIT	6136	
	6136	GE	RIT	6136	
	6136	HY	RIT	6136	
GL	6136	TS	RIT	6136	
	6137	GE	RIT		
	6140/423A	WE	G		5651
	6146	RCA	VPT	6146	
RK	6146	GE	VPT	6146	
	6146	HY	VPT	6146	
	6146	RK	VPT	6146	
	6146	S	VPT	6146	
WL	6146	WL	VPT	6146	
	6155	A	VPT	6155/4-125A	
	6155/4-125A	RCA	VPT	6155/4-125A	
	6156	A	VPT	6156/4-250A	
GL	6156/4-250A	RCA	VPT	6156/4-250A	
	6159	RCA	VPT	6159	
	6159	S	VPT	6159	
	6159	WL	VPT	6159	
WL	6161	RCA	VPT	6161	
	6161	GE	VPT	6161	
	6161	HY	VPT	6161	
	6166	RCA	VPT	6166	
GL	6173	RCA	VPT	6173	
	6180	STC	R		
	6181	RCA	VPT	6181	
	6181	GE	VPT	6181	
GL	6186/6A G5-WA	RCA	RIT	6186/6A G5-WA	
	6189/12A U7-WA	RCA	RIT	6189/12A U7-WA	
	6189/12A U7-WA	GE	RIT	6189/12A U7-WA	
	6189/12A U7-WA	S	RIT	6189/12A U7-WA	
GL	6189/12A U7-WA	TS	RIT	6189/12A U7-WA	
	6197	RCA	VPT	6197	
	6197	HY	RIT	6197	
	6197	RCA	VPT	6197	

For a list of Industrial-Type Receiving Tubes and their Prototypes, see page 23.

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† RCA types shown in this column are not directly interchangeable with the types to be replaced because of differences in mechanical and/or electrical characteristics, physical structure, or types of tests to which they are subjected. For more information as to degree of interchangeability, refer to respective tube data.

RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced						Type To Be Replaced						Type To Be Replaced					
Mfr. Prefix	Basic Designation	Mfr.	Tube Class	Replace by RCA Type*	Similar RCA Type†	Mfr. Prefix	Basic Designation	Mfr.	Tube Class	Replace by RCA Type*	Similar RCA Type†	Mfr. Prefix	Basic Designation	Mfr.	Tube Class	Replace by RCA Type*	Similar RCA Type†
GL	6197	HY	VPT	6197		GL	6405/1640	RCA	P	6405/1640		GL	6669	GE	RIT	6669/6AQ5-A	
	6198	RCA	CM	6198			6414	GE	RIT		5965		6669	HY	RIT	6669/6AQ5-A	
	6198	GE	CM	6198			6417	RCA	VPT	6417			6669/6AQ5-A	RCA	RIT	6669/6AQ5-A	
	6198-A	RCA	CM		7038		6417	HY	VPT	6417			6677	GE	RIT	6677/6CL6	
	6199	RCA	P	6199	7038		6445	A	VPT		892-R		6677	HY	RIT	6677/6CL6	
	6201	RCA	RIT	6201			6446	A	VPT		892		6677/6CL6	RCA	RIT	6677/6CL6	
	6201	GE	RIT	6201			6447	RCA	VPT	6448	6199		6678	GE	RIT	6678/6U8-A	
	6201	HY	RIT	6201			6467	D	P	6472			6679	HY	RIT	6679/12AT7	
	6201	S	RIT	6201			6472	RCA	P	6472			6679	TS	RIT	6679/12AT7	
	6201	NAP	RIT	6201			6474	RCA	CM	6474			6680	RCA	RIT	6680/12AU7-A	
GL	6202	GE	R	6202		GL	6474/1854	RCA	CM	6474		GL	6680	GE	RIT	6680/12AU7-A	
	6205	RCA	RIT	6205			6485	RK	RIT		5725		6680	TS	RIT	6680/12AU7-A	
	6205	GE	RIT	6205			6486	BEN	RIT		5725		6681	GE	RIT	6681/12AX7	
	6205	S	RIT	6205			6486A	BEN	RIT				6681	TS	RIT	6681/12AX7	
	6206	RCA	RIT	6206			6499	RCA	ST	6499			6681	RCA	RIT	6681/12AX7	
	6206	S	RIT	6206			6509	GE	I		5555		6681	HY	RIT	6681/12AX7	
	6211	RCA	RIT	6211			6514	GE	I		5555		6687	ROG	RIT	6687/6888	
	6211	GE	RIT	6211			6520	CH	RIT		6AS7-G		6689	A	RIT	6689/6889	
	6211	HY	RIT	6211			6521	RCA	M	6521			6691	ROG	RIT	6691/6889	
	6211	S	RIT	6211			6524	RCA	VPT	6524			6691	F	VPT	6691/6889	
GL	6217	RCA	P	6217		GL	6528	TS	RIT		6080	GL	6691	RCA	PC	6691-A	
	6263	RCA	VPT	6263			6533	RK	RIT		7027-A		6691	GE	RIT	6691/6889	
	6263	S	VPT	6263			6550	TS	RIT				6691	TS	RIT	6691/6889	
	6264	RCA	VPT	6264-A			6562	RCA	VPT	6562			6691	HY	RIT	6691/6889	
	6264	S	VPT	6264-A			6570	RCA	P	6570			6691	GE	RIT	6691/6889	
	6264-A	RCA	VPT	6264-A			6571	RCA	ST	6571			6691	TS	RIT	6691/6889	
	6265	GE	RIT				6576	ML	VPT		5770		6691	RCA	RIT	6691/6889	
	6267	ROG	RIT		5879		6582-A	BEN	RIT				6691	HY	RIT	6691/6889	
	6278	CE	T				6626	HY	G	6626/0A2-WA			6691	GE	RIT	6691/6889	
	6291	D	P		6199		6626/0A2-WA	RCA	G	6626/0A2-WA			6691	TS	RIT	6691/6889	
GL	6292	D	P		5819, 2020	GL	6626/0A2-WA	CH	G	6626/0A2-WA		GL	6691	TS	RIT	6691/6889	
	6293	RCA	VPT	6293			6626/0A2-WA	HY	G	6626/0A2-WA			6691	RCA	RIT	6691/6889	
	6326	RCA	CM	6326			6626/0A2-WA	RCA	P	6626/0A2-WA			6691	HY	RIT	6691/6889	
	6326	GE	CM	6326			6655	RCA	P	6655-A			6691	GE	RIT	6691/6889	
	6326-A	RCA	CM		7038		6655-A	RCA	P	6655-A			6691	TS	RIT	6691/6889	
	6328	RCA	P	6328			6660	GE	RIT	6660/6BA6			6691	HY	RIT	6691/6889	
	6333	A	VPT		892		6660	HY	RIT	6660/6BA6			6691	GE	RIT	6691/6889	
	6336	CH	RIT		6080		6661	GE	RIT	6661/6BH6			6691	TS	RIT	6691/6889	
	6337	CH			6080-WA		6661	HY	RIT	6661/6BH6			6691	RCA	RIT	6691/6889	
	6342	RCA	P	6342, 6342-A			6661	TS	RIT	6661/6BH6			6691	GE	RIT	6691/6889	
GL	6342-A	RCA	P	6342-A		GL	6661	RCA	RIT	6661/6BH6		GL	6691	RCA	VPT	6691/6889	
	6346	GE	I		5551-A		6661	HY	RIT	6661/6BH6			6691	TS	RIT	6691/6889	
	6347	GE	I		5552-A		6661	GE	RIT	6661/6BH6			6691	HY	RIT	6691/6889	
	6348	GE	I		5553-B		6661	HY	RIT	6661/6BH6			6691	GE	RIT	6691/6889	
	6350	RCA	RIT	6350			6661	TS	RIT	6661/6BH6			6691	RCA	VPT	6691/6889	
	6350	GE	RIT	6350			6661	HY	RIT	6661/6BH6			6691	TS	RIT	6691/6889	
	6350	HY	RIT	6350			6661	TS	RIT	6661/6BH6			6691	GE	RIT	6691/6889	
	6350	S	RIT	6350			6661	RCA	RIT	6661/6BH6			6691	HY	RIT	6691/6889	
	6360	VPT	A				6661	GE	RIT	6661/6BH6			6691	TS	RIT	6691/6889	
	6363	D	P				6661	HY	RIT	6661/6BH6			6691	GE	RIT	6691/6889	
F	6364	D	P		6199	F	6661	TS	RIT	6661/6BH6		F	6691	RCA	VPT	6691/6889	
	6365	D	P				6661	HY	RIT	6661/6BH6			6691	TS	RIT	6691/6889	
	6366	F	VPT				6661	TS	RIT	6661/6BH6			6691	GE	RIT	6691/6889	
	6367	F	VPT				6661	HY	RIT	6661/6BH6			6691	RCA	VPT	6691/6889	
	6372	RCA	P				6661	TS	RIT	6661/6BH6			6691	HY	RIT	6691/6889	
	6379	F	VPT				6661	HY	RIT	6661/6BH6			6691	TS	RIT	6691/6889	
	6383	RCA	VPT	6383			6661	TS	RIT	6661/6BH6			6691	GE	RIT	6691/6889	
	6384	BEN	RIT				6661	HY	RIT	6661/6BH6			6691	RCA	VPT	6691/6889	
	6385	BEN	RIT		5670		6661	TS	RIT	6661/6BH6			6691	HY	RIT	6691/6889	
	6394	CH	RIT		6082		6661	HY	RIT	6661/6BH6			6691	TS	RIT	6691/6889	
F	6399	F	VPT			F	6661	TS	RIT	6661/6BH6		F	6691	RCA	VPT	6691/6889	
	6400	F	VPT				6661	HY	RIT	6661/6BH6			6691	TS	RIT	6691/6889	
							6661	TS	RIT	6661/6BH6			6691	GE	RIT	6691/6889	
							6661	HY	RIT	6661/6BH6			6691	RCA	VPT	6691/6889	
							6661	TS	RIT	6661/6BH6			6691	HY	RIT	6691/6889	
							6661	HY	RIT	6661/6BH6			6691	TS	RIT	6691/6889	
							6661	TS	RIT	6661/6BH6			6691	GE	RIT	6691/6889	
							6661	HY	RIT	6661/6BH6			6691	RCA	VPT	6691/6889	
							6661	TS	RIT	6661/6BH6			6691	HY	RIT	6691/6889	
							6661	HY	RIT	6661/6BH6			6691	TS	RIT	6691/6889	

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RCA INTERCHANGEABILITY DIRECTORY

Type To Be Replaced						Type To Be Replaced						Type To Be Replaced					
Mfr. Prefix	Basic Designation	Mfr.	Tube Class	Replace by RCA Type*	Similar RCA Type†	Mfr. Prefix	Basic Designation	Mfr.	Tube Class	Replace by RCA Type*	Similar RCA Type†	Mfr. Prefix	Basic Designation	Mfr.	Tube Class	Replace by RCA Type*	Similar RCA Type†
WL	6883	WL	VPT	6883			7199	RCA	RT	7199		GL	8012	RCA	VPT		
	6884	RCA	VPT	6884			7200	RCA	P	7200			8012	GE	VPT		
	6887	RCA	RIT	6887			7203/4CX250B	RCA	VPT	7203/4CX250B			8013-A	RCA	R	8013-A	
	6893	RCA	VPT	6893									8013-A	CE	R	8013-A	
	6894	RCA	R	6894									8013-A	GE	R	8013-A	
							7204/4X250F	RCA	VPT	7204/4X250F			8014-A	RCA	VPT	1B3-GT/8016	5786
	6895	RCA	R	6895			7212	RCA	VPT	7212			8016	GE	VPT		
	6896/1855	RCA	G	6896/1855			7213	RCA	VPT	7213			8020	RCA	R	8020	
	6903	RCA	P	6903			7223	RCA	PJ	7223			8020	A	R	8020	
	6914	RCA	IC	6914			7224	RCA	PJ	7224			8020	EE	R	8020	
F	6914-A	RCA	IC	6914-A			7236	TS	VPT			EE	8020	GES	R	8020	
	6922	A	RIT				7241	TS	VPT				8020	NU	R	8020	
	6929	RCA	IC	6929			7242	TS	VPT				8020	WL	R	8020	
	6939	A	VPT				7244	S	RIT		6101		8020	EM	R	8020	
	6943	S	RIT				7244-A	S	RIT		6101		100R				
	6949	RCA	VPT	6949							6J4-WA		8025-A	RCA	VPT	8025-A	
							7245	S	RIT		6J4-WA		8025-A	GE	VPT	8025-A	
	6952	RCA	VPT	6952			7245-A	S	RIT				8025-A	ML	VPT	8025-A	
	6953	RCA	P	6953			7262	RCA	CM	7262			8025-A	WL	VPT	8025-A	
	6957	RCA	PC	6957			7263	RCA	CM	7263			9001	RCA	RIT	9001	
	6973	RCA	RT	6973			7264	RCA	P	7264			9001	GE	RIT	9001	
F	7008	RCA	M	7008								GL	9001	HY	RIT	9001	
							7265	RCA	P	7265			9001	RK	RIT	9001	
	7025	RCA	RT	7025			7270	RCA	VPT	7270			9001	S	RIT	9001	
	7025	GE	RT	7025			7271	RCA	VPT	7271			9001	TS	RIT	9001	
	7027	RCA	RT	7027			7315	RCA	ST	7315			9002	RCA	RIT	9002	
	7029	RCA	P	7029			7318	HY	RIT		5814-A		9002	GE	RIT	9002	
	7030	F	VPT										9002	HY	RIT	9002	
	7034/4X150A	RCA	VPT	7034/4X150A			7326	RCA	P	7326			9002	NU	RIT	9002	
	7035/4X150D	RCA	VPT	7035/4X150D			7357	RCA	VPT	7357			9002	RK	RIT	9002	
	7036	GE	RIT		5915		7358	RCA	VPT	7358			9002	S	RIT	9002	
F	7038	RCA	CM	7038			7360	RCA	RIT	7360		GL	9002	TS	RIT	9002	
	7043	RCA	P	7043			7404	RCA	IC	7404			9003	RCA	RIT	9003	
													9003	GE	RIT	9003	
	7044	RCA	RIT	7044			7412	RCA	PC	7412			9003	HY	RIT	9003	
	7044	S	RIT	7044			7448	RCA	ST	7448			9003	NU	RIT	9003	
	7046	RCA	P	7046			7457	RCA	VPT	7457			9003	RK	RIT	9003	
	7054	RCA	RIT	7054			7467	RCA	PJ	7467			9003	S	RIT	9003	
	7054	S	RIT	7054			7513	RCA	CM	7513			9004	RCA	RIT	9004	
													9004	TS	RIT	9004	
	7055	RCA	RIT	7055								GL	9005	RCA	RIT	9005	
F	7056	RCA	RIT	7056			7536	RCA	PC	7536			9005	GE	RIT	9005	
	7056	S	RIT	7056			7551	RCA	VPT	7551			9005	S	RIT	9005	
	7056	S	RIT	7056			7552	RCA	VPT	7552			9005	TS	RIT	9005	
	7057	RCA	RIT	7057			7554	RCA	VPT	7554			9006	RCA	RIT	9006	
	7058	RCA	RIT	7058			7558	RCA	VPT	7558			9006	S	RIT	9006	
							8000	RCA	VPT	8000			9006	NU	RIT	9006	
							8000	GE	VPT	8000			9006	RK	RIT	9006	
							8000	ML	VPT	8000			9006	S	RIT	9006	
							8000	T	VPT	8000			9006	TS	RIT	9006	
							8000	WL	VPT	8000		AX	9911	A	T		6130/3C45
CK	7059	RCA	RIT	7059			8003	RCA	VPT	8003			E80CC	NAP	RIT		5692
	7059	S	RIT	7059			8003	GE	VPT	8003			E80F	NAP	RIT		5879
	7060	RCA	RIT	7060			8005	ML	VPT	8005			E83F	NAP	RIT		5725
	7061	RCA	RIT	7061			8005	NU	VPT	8005			EF86	NAP	RIT		5879
	7062	ROG	RIT		5965		8005	S	VPT	8005			E90CC	NAP	RIT		6101
							8005	WL	VPT	8005			E90F	NAP	RIT		6661
							8008	RCA	R	8008			E91H	NAP	RIT		5915
							8008	A	R	8008			E92CC	NAP	RIT		6211
							8008	CH	R	8008							
							8008	EE	R	8008							
F	7077	GE	RIT		6111		8008	GE	R	8008		GL					
	7079	RK	RIT				8008	EE	R	8008							
	7086	RCA	T	7086			8008	GE	R	8008							
	7092	A	VPT				8008	GES	R	8008							
	7094	RCA	VPT	7094			8008	HY	R	8008							
							8008	ML	R	8008							
							8008	S	R	8008							
							8008	UE	R	8008							
							8008	WL	R	8008							
							8008	WL	R	8008							
F	7102	RCA	P	7102								AX					
	7105	TS	RIT		6080												
	7110	RCA	M	7110													
	7111	RCA	M	7111													
	7112	RCA	M	7112													
F	7117	RCA	P	7117								AX					
	7136	A	R		575-A												
	7163	RCA	PC	7163													
	7183	RCA	ST	7183													
	7185	F	VPT														
WL	7198	RCA	CM	7198								AX					
	7198	WL	CM	7198													

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RCA INTERCHANGEABILITY DIRECTORY

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
EL	E180CC	NAP	RIT		5965
	E182CC	NAP	RIT		7044
	C1B	EL	R		3C23
	C1B/A	EL	R		3C23
	C1J	EL	T		
	C1J/A	EL	T		3C23
	C3J	EL	T	C3J/5632	
	C1K	EL	T	C1K/6014	
	C1K/6014	RCA	T	C1K/6014	
EL	C3J/5632	RCA	T	C3J/5632	
	C3J/A	EL	T	C3J-A/5684	
	C3J-A/5684	RCA	T	C3J-A/5684	
EL	C6A	EL			
	C6J	EL		C6J/5C21	
EL	C6J/5C21	RCA	T	C6J/5C21	
	C6J/A	EL	T	C6J-A/5685	
	C6J-A/5685	RCA	T	C6J-A/5685	
EL	C16J	EL	T	C16J/5665	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
	C16J/5665	RCA	T	C16J/5665	
	TGRA	IH	R		575-A
	TGRB	IH	R		872-A
	TVTA	IH	VPT		892
	TVTB	IH	VPT		833-A
	TVTC	IH	VPT		889-A
WT	T-100	WT	RT	6X4	
WT	T-102	WT	RT	5Y3-GT	
WT	T-103	WT	RT	6H6	
WT	T-104	WT	T	575-A	
WT	T-105	WT	VPT	892	
WT	T-106	WT	T		
WT	T-107	WT	T		
WT	T-108	WT	T		
WT	T-109	WT	T		
WT	T-110	WT	T		
WT	T-111	WT	T	5559	
WT	T-112	WT	T	5560	
WT	T-113	WT	T	676	
WT	T-114	WT	G	0Z4	
WT	T-115	WT	RT	117N7-GT	

1	2	3	4	5	6
Type To Be Replaced				Replace by RCA Type*	Similar RCA Type†
Mfr. Prefix	Basic Designation	Mfr.	Tube Class		
WT	T-117	WT	T	5557	
WT	T-118	WT	T	105	
WT	T-119	WT	T	172	
WT	T-122	WT	RT	6SJ7	
WT	T-123	WT	RT	6V6	
WT	T-124	WT	RT	7K7	
WT	T-125	WT	RT	6N7-GT	
WT	T-126	WT	RT	50B5	
WT	T-127	WT	VPT	833-A	
WT	T-128	WT	RT	6K8	
WT	T-129	WT	RT	6J5-GT	
WT	T-130	WT	RT	6G6-G	
WT	T-131	WT	RT	6C6	
WT	T-132	WT	G	0A4-G	
WT	T-133	WT	T		
WT	T-134	WT	T		
WT	T-135	WT	RT	5U4-G	
WT	T-136	WT	CR	2AP1-A	
WT	T-137	WT	CR	3AP1-A	
WT	T-139	WT	T		
WT	T-149	WT	T	172	
UE	V-70-D	UE	VPT		8005
UE	X-22	UE	R		1616

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KEY TO SYMBOLS IN COLUMN 3

A = Amperex Electronic Corp.	GES = General Electronics Co.
BEN = Bendix Aviation Corp.	GS = General Scientific Corp.
BO = Bomac Laboratories, Inc.	HK = Heinz and Kaufman
CH = Chatham Electronics Division	HY = CBS-Hytron
CE = Continental Electric Co. (Cetron)	IH = Induction Heating Corp.
D = A. B. Dumont Laboratories, Inc.	KU = Kuthe Laboratories
EE = Electronic Enterprises, Inc.	ML = Machlett Laboratories, Inc.
EM = Eitel-McCullough, Inc. (Eimac)	NAP = Philips Electron Tube Division
EL = Electrons, Inc.	NL = National Electronics, Inc.
F = Federal Telephone and Radio Co.	NU = National Union Electric Corp.
GE = General Electric Co.	PL = Penta Laboratories, Inc.

R = Rauland Corporation	TS = Tung-Sol Electric, Inc.
RK = Raytheon Manufacturing Co.	UE = United Electronics Co.
ROG = Rogers Electronic Tubes	WE = Western Electric Co.
S = Sylvania Electric Products, Inc.	WL = Westinghouse Electric Corp.
STC = Standard Telephone and Cables	WT = Weltronic Co.
T = Taylor Tubes, Inc.	

KEY TO SYMBOLS IN COLUMN 4

CM = Camera Tube or Monoscope
CR = Cathode-Ray Tube
G = Glow Tube
GA = Gauge Tube
K = Klystron
I = Ignitron

IC = Image-Converter Tube
M = Magnetron
P = Phototube
PC = Photoconductive Cell
PJ = Photojunction Cell
R = Rectifier

RT = Receiving Tube
RIT = Receiving-Type Industrial Tube
ST = Storage Tube
T = Thyatron
TW = Traveling-Wave Tube
VPT = Vacuum Power Tube

Notes

Industrial Receiving-Type Tubes and Their Prototypes

Tube Type ^A	Proto-type	Tube Type ^A	Proto-type	Tube Type ^A	Proto-type	Tube Type ^A	Proto-type
396-A	2C51	5750	6BE6	6074	0B2	6336-A	6AS7-G
401-A	6AG5	5751	12AX7	6074/0B2	0B2	6384	6AR6
403-A	6AK5	5751-WA	12AX7	6080	6AS7-G	6385	2C51
403-B	6AK5			6080-WA	6AS7-G	6386	2C51
421-A	6AS7-G	5814	12AU7	6080-WB	6AS7-G		
		5814-A	12AU7			6394-A	6AS7-G
423-A	5651	5814-WA	12AU7	6082	6AS7-G	6414	6AU7
481-B	1Y2	5824	25B6-G	6082-A	6AS7-G	6485	6AH6
1603	6C6	5838	6X5	6084	6SJ7	6486	6AS6
1609	6J7			6085	6SN7-GT		
1612	6L7	5842	417-A	6087	5Y3-GT	6520	6AS7-G
		5844	6J6			6528	6AS7-G
1613	6F6	5852	6X6	6094	6AQ5-A	6626/0A2-WA	0A2
1614	6L6	5871	6V6-GT	6095	6AQ5-A	6627/0B2-WA	0B2
1620	6J7	5881	6L6-G	6096	6AK5		
1621	6F6			6097	6AL5	6660	6BA6
1622	6L6	5915	6BE6	6098	6AR6	6661	6BH6
		5915-A	6BE6			6662	6BJ6
1625	807	5920	6J6	6098/6AR6-WA	6AR6	6663	6AL5
1629	6E5	5930	2A3	6099	6J6	6669	6AQ5-A
1631	6L6	5931	5U4-G	6100	6C4	6677	6CL6
1632	25L6-GT			6100/6C4-WA	6C4	6678	6U8-A
1633	6SN7-GT	5932	6L6-G	6101	6J6	6679	12AT7
		5933	807				
1634	12SC7	5963	12AU7	6101/6J6-WA	6J6	6680	12AU7
1635	6N7-GT	5964	6J6	6106	5Y3-GT	6681	12AX7
5590	401-A	5992	6V6	6130	3C45	6687	6BE6
5591	403-B			6130/3C45	3C45	6829	5965
5598	421-A	5993	6X4	6132	6CH6		
		6005	6AQ5-A			6851	12AX7
5654	6AK5	6005/6AQ5-W	6AQ5-A	6134	6AC7	6887	6AL5
5654/6AK5-W	6AK5	6005/	6AQ5-A	6135	6C4	6888	7AK7
5654/		6AQ5-W/6095	6AQ5-A	6136	6AU6	6919	6AL5
6AK5-W/6096	6AK5	6006	6SG7	6137	6SK7		
5670	2C51			6145	7AD7	6922	6DT8
5679	7A6	6028	6AK5			6954	6DT6
		6042	6SN7-GT			7000	6J7
5691	6SL7-GT	6046	25L6-GT	6180	6SN7-GT	7036	6BE6
5692	6SN7-GT	6057	12AX7	6185	2C51		
5693	6SJ7	6058	6AL5	6186	6AG5	7054	12BY7-A
5725	6AS6			6186/6AG5-WA	6AG5	7055	6AL5
5725/				6187	6AS6	7056	6CB6
6AS6-W/6187	6AS6	6059	6J7			7057	6BF7
		6060	12AT7	6188/6SU7-WGT	6SU7-GT		
5726	6AL5	6061	6V6-GT	6189/12AU7-WA	12AU7	7058	12AX7
5726/6AL5-W	6AL5	6062	5763			7059	6U8-A
5726/		6063	6X4	6197	6CL6	7060	6AU8
6AL5-W/6097	6AL5			6201	12AT7	7061	12AB5
5727	2D21	6066	6AT6	6202	6X4		
5727/2D21-W	2D21	6067	12AU7			7105	6AS7-G
		6072	12AY7	6211	6J6	7258	6AN8
5749	6BA6	6073	0A2	6265	6BH6	7700	6C6
5749/6BA6-W	6BA6	6073/0A2	0A2	6336	6AS7-G	8016	1B3-GT

^AThese types may differ from their prototypes in electrical and/or mechanical characteristics, physical structure, or types of tests to which they are subjected. Tube data should, therefore, be checked before replacing a type in the prototype column with its corresponding type.

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